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1. ANNUAL DEPARTMENTAL REPORT (2017-2018)**A. ANNUAL DEPARTMENT REPORT FOR BIOCHEMISTRY DEPARTMENT****1. Name of department:** BIOCHEMISTRY**2. Year of establishment:** 2004**3. Name of the Head of Department:** Dr. FANAI LALSANGLUAI (i/c)**Phone No (Official):** 9436141913**Email:** masangifanai19@gmail.com**4. Brief Introduction of the Department (maximum 200 words):**

The Department of Biochemistry has been established in this college since 2004 to encourage and cater to the growing demand for Applied Sciences in today's scientific sector, with minimal number of faculty, mostly through internal arrangements. As the department has eventually obtained Provisional Affiliation from Mizoram University in 2005, more batches of student are being enrolled each year and they have passed out successfully during the past years. At present, Biochemistry subject is offered as an Elective Subject. In spite of current demands from the students, the department is still unable to offer Core Course in Biochemistry, which hopefully will be made possible in the near future. However, the department is lacking in the prescribed number of faculty laid down by UGC (a minimum of 5 no. of faculty), and also need to apply for Permanent Affiliation from our University (provisional affiliation at present being extended for the next 3 years from 17th Aug 2017).

The present faculty strength comprises of 1(one) regular faculty, and 2 others (two) recently regularized from contract, and 1 part- time. The subject books in the library are 346 books, supplemented by 659 books in Botany and 642 books in Zoology. Recently, there has been an addition of few more books from 20 different authors. 2 (two) subject specific / allied journals are being subscribed along with 2(two) E-books.

Equipments and chemicals available in the department laboratory are just about enough to conduct practical classes. The overall facilities available in the department are at its minimal status, infrastructure, laboratory conditions and equipments, books, etc still need to be upgraded. Once the demand of the University has been met by the College, keeping the future of the students in mind, further steps can be formulated to upgrade the present status to Permanent Affiliation and opening of Core Course in Biochemistry at the earliest.

5. Teaching Faculties in the department:

Sl. No	Name	Designation	Qualification	Subject Specialization	Year of Experience
1	Laltanpuia (promoted to Principal since Aug 2014)	Associate Prof	MSc, NET	Biochemistry	28yrs
2	Dr. Fanai Lalsangluaii	Asst. Prof	MSc, NET, PhD	Biochemistry	11yrs
3	Lalrosangpuii	Asst. Prof	MSc, NET	Biochemistry	6yrs
4	K. Zosangpuii	Asst. Prof	MSc, SET, MPhil	Biochemistry	8yrs

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor								
Associate Professor	1						1	
Assistant Professor		2				1		3
Lab Assistant								
Lab Attendant								

7. Details of the Courses conducted by the department:

** Type semester wise subject code, subject name and credit.*

8. Students Particulars:

Sl. No	Semester	Applications received 2017-18	Selected 2017-18	Enrolled		Pass percentage
				M	F	
1	I Semester		17	5	12	100 %
2	II Semester		17	5	12	64.7 %
3	III Semester		23	10	13	69.5 %
4	IV Semester		23	10	13	100 %
5	V Semester					
6	VI Semester					

9. Student - Teacher Ratio: 15: 1

10. Annual Average Attendance Percentage of the Student: 90%

11. Study tour conducted under year of report: Nil
12. Awards / Recognitions received by faculty and students: Nil
13. Details of Faculty qualified for the Ph.D degree under year of report: Nil
14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No	Name of Faculty	Course/Title	Organised by	Duration /Date	Funded by
1	Dr. Fanai Lalsangluaii	'Awareness campaign on Drug Abuse, Social media/ Cyber Crime and Human Trafficking'	Research and Seminar Comt GZRSC & CID Crime, Govt. of Mizoram.	24 th July 18	RUSA, GZRSC
		'Research Motivation'	Research and Seminar Comt GZRSC	24 th Aug 18	RUSA, GZRSC
		A National Conference of Mizoram Science Congress 2018	Mizoram Science Congress	4- 5 th Aug 18	Mizoram Science Congress
		'Outreach Programme'	Indian Statistical Institute North-East Centre, Tezpur	31 st Jan 19	Indian Statistical Institute North-East Centre, Tezpur
		Faculty Induction Programme	Faculty Development Centre, Mizoram University	4 th Feb- 6 th March 19	Faculty Development Centre, Mizoram University
2	Lalrosangpuii	-	-	-	-
3	K. Zosangpuii	-	-	-	-

15. Details of conference/Seminar organized by the department:

Sl.No	Topic	Funded by	Collaborations

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

17. Recognized Research Centre /facility:

18. Number of Faculty as members in

- a) University: 4**
- b) State:**
- c) Regional:**
- d) National committees:**
- e) International Committees:**
- f) Editorial Board:**

19. Details of Publications of Faculty: NIL

20. Participation of the department in the courses offered by other departments:

21. Courses in collaboration with other universities, industries, foreign institutions, etc:

22. Extension activities by the department:

23. Library facilities: (Numbers only)

- a. Textbooks and Reference Books: 346**
- b. Journals: 2**
- c. E-Books and E Journals: 2**
- d. Any other:**

24. Any other relevant information:

B. ANNUAL DEPARTMENT REPORT FOR BOTANY DEPARTMENT

1. **Name of department:** BOTANY

2. **Year of establishment:** 2000

3. **Name of the Head of Department:** Dr. R. Lalengmawia

Phone No (Official): 9436196952

Email: maengaralte@gmail.com

4. **Brief Introduction of the Department (maximum 200 words):**

The department of Botany was established in the year 2000 as an outcome of the amalgamation programme of the Government of Mizoram which brought together faculty members from various Government Colleges of the State for the purpose of establishing a purely Science College.

The department has been established to transmit knowledge concerning the various aspects of the subject of Botany within the confinement of a prescribed syllabus. In addition, seminars, in-house projects and botanical excursions are an integral part of the academic programme of the department.

5. **Teaching Faculties in the department:**

Sl. No.	Name	Designation	Qualification	Subject Specialization	Year of Experience
1	Dr. R. Lalengmawia	Assoc. Professor	M. Sc. Ph. D	Forest Ecology	27
2	Ms. Zodinpuui	Assoc. Professor	M. Sc.	Plant Physiology	26
3	Ms. Laltlanchhungi	Assoc. Professor	M. Sc.	Forest Ecology	22
4	Ms. Mary Lalthansangi	Assoc. Professor	M. Sc.	Plant Biotech.	21
5	Ms. Lalrintluangi	Assoc. Professor	M. Sc.	Angiosperm Taxonomy	21
6	Ms. Lalremruati Hmar	Assoc. Professor	M. Sc.	Microbial Ecology	21
7	Mr. Lalnunthara	Assoc. Professor	M. Sc.	Microbial Ecology	21

6. **Number of Teaching and Non-Teaching Staff in the Department:**

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F

Professor	-	-	-	-	-	-	-	-
Associate Professor	2	5	-	-	-	-	2	5
Assistant Professor	-	-	-	-	-	-	-	-
Lab Assistant	-	-	-	-	-	-	-	-
Lab Attendant	-	1	-	-	-	-	-	1

7. Details of the Courses conducted by the department:

SEMESTER	SUBJECT CODE	NAME OF PAPER	CREDIT
I SEM	BOT/I/CC/01	Cryptogams	4
	BOT/I/CC/02	Practicals	2
II SEM	BOT/II/CC/03	Phanerogams	4
	BOT/II/CC/04	Practicals	2
III SEM	BOT/III/CC/05	Plant Physiology and Biochemistry, Ecology	4
	BOT/III/CC/06	Practicals	2
IV SEM	BOT/IV/CC/07	Microbiology, Cytology and Genetics, Evolution	4
	BOT/IV/CC/08	Practicals	2
V SEM	BOT/V/CC/09	Fungi, Plant pathology and Biostatistics	4
	BOT/V/CC/010	Practicals	2
	BOT/V/CC/011	Algae, Lichen and Bryophytes	4
	BOT/V/CC/012	Practicals	2
	BOT/V/CC/013	Cytogenetics, Plant Breeding and Bioinformatics	4
	BOT/V/CC/014	Practicals	2
	BOT/V/CC/015	Environmental Biology and Ethnobotany	4
	BOT/V/CC/016	Practicals	2
VI SEM	BOT/VI/CC/017	Pteridophytes, Gymnosperms, Paleobotany and Palynology	4
	BOT/VI/CC/018	Practicals	2
	BOT/VI/CC/019	Angiosperm taxonomy, Anatomy and Embryology	4
	BOT/VI/CC/20	Practicals	2
	BOT/VI/CC/21	Plant Metabolism, Biochemistry and Thermodynamics	4
	BOT/VI/CC/22	Practicals	2
	BOT/VI/CC/23	Plant Biotechnology and Experimental	4

		Embryology	
	BOT/VI/CC/24	Practicals	2

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1	I Semester	87	79	42	37	79.74
2	II Semester	87	79	42	37	87.03
3	III Semester	54	54	23	31	98.0
4	IV Semester	54	54	23	31	98.03
5	V Semester	17	17	4	13	88
6	VI Semester	17	17	4	13	100

9. Student - Teacher Ratio: 150:7

10. Annual Average Attendance Percentage of the Student: 89%

11. Study tour conducted under year of report:

12. Awards / Recognitions received by faculty and students:

Sl. No.	Name of Faculty	Awards/Recognitions
1	Ms. Mary Lalthansangi - Presiding Officer	Best Performing All Women Polling Party during General Election to the Legislative Assembly of Mizoram, 2018

13. Details of Faculty qualified for the Ph. D. degree under year of report: Nil

14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No.	Name of Faculty	Course/Title	Organized by	Duration /Date	Funded by
1	Ms. Laltlanchhungi	Seminar on Climate Change : Beat Plastic Pollution	Mizoram Academy of Sciences & Govt. Zirtiri Resi. Science College	1 day	Dept. of Environment, Forest & Climate Change
2	Ms. Mary Lalthansangi	-do-	-do-	-do-	-do-
3	Mr. Lalnunthara	Workshop Cum Exhibition on Research-extension-	Agriculture Technology Management Agency &	2 days	

		farmers linkages	Agriculture Dept. Mizoram		
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15. Details of conference/Seminar organized by the department:

Sl.No.	Topic	Funded by	Collaborations
1	Students seminar on Plant Biotechnology and Experimental Biology	Institution	Nil

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

17. Recognized Research Centre /facility:

18. Number of Faculty as members in

a) University:

Sl. No.	Name of Faculty	Membership
1	Ms. Zodinpuii	1. BOS (Botany) 2. Moderation Board (Botany)
2	Ms. Laltlanchhungi	1. School Board (Life Sciences)

b) State:

Sl. No.	Name of Faculty	Membership
1	Dr. R. Lalengmawia	1. President, Science Teachers Association Mizoram 2. Working President, National Children's Science Congress (Mizoram State) 3. Institutional Coordinator, RUSA
2	Ms. Zodinpuii	1. State Green Audit Committee
3	Mr. Lalnunthara	a. Programme Officer, NSS

c) Regional: Nil

d) National committees: Nil

e) International Committees: Nil

f) Editorial Board:

Sl. No.	Name of Faculty	Membership
1	Dr. R. Lalengmawia	Publisher, Mizoram Science Journal (A monthly Science Journal)

19. Details of Publications of Faculty:

Sl. No	Name of Faculty	Title of the Paper	Date of Publication	Published by	ISSN No

20. Participation of the department in the courses offered by other departments:

- 2 (Two) teachers involved in teaching – (a) History of Science
(b) Environmental Studies

21. Courses in collaboration with other universities, industries, foreign institutions, etc: Nil**22. Extension activities by the department:****23. Library facilities: (Numbers only):**

- a. Textbooks and Reference Books:** 812
- b. Journals:** 15
- c. E-Books and E Journals:** 5250
- d. Any other:**

24. Any other relevant information:

C. ANNUAL DEPARTMENT REPORT FOR CHEMISTRY DEPARTMENT**1. Name of department:** CHEMISTRY**2. Year of establishment:** 2000**3. Name of the Head of Department:** Dr. Lalhmingliana Hnamte**Phone No (Official):** 9774001563**Email:** lhnamte@gzrsc.edu.in**4. Brief Introduction of the Department (maximum 200 words):**

The Department of Chemistry was started in 2000. There are 3 class rooms and 1 laboratory. At present there are 6 faculty members according to the documents of Higher & Technical Department, Govt. of Mizoram. But in reality, the teachers who are engaged in teaching are only 4. Among the faculty members, Mr. Laltanpuia had been taking the charge of the Principal and recently deputed as Additional State Project Director, RUSA and Dr. Zirliangnura is also on deputation as NSS Nodal Officer under Sports and Youth Services Department, Govt. of Mizoram. As Chemistry is a central subject, majority of the students choose Chemistry as one of their elective subject. So, the teachers who can engage in teaching are less in number compared to the number of students, theory and practical classes. Due to inadequate number of faculties engaged in teaching, Dr. Lalsaimawia Sailo is employed by the College through an internal arrangement on temporary basis.

Chemistry Department offers three main branches of Chemistry - Organic, Inorganic and Physical Chemistry. Besides these, other branches like Analytical Chemistry, Industrial Chemistry, Natural Products, Medicinal, Environment, Green Chemistry and Material Chemistry are also included in the syllabus. The teachers work very hard for the students, they conduct remedial & special classes for Chemistry repeaters and students from time to time. The faculties are regularly involved in setting questions, moderation, and evaluation of the university examination. Most of the students come from remote villages of Mizoram, they are average or below average students in their academic records. But due to the concerted effort given by teacher and students in studies, we always have university rank holders. Besides class room teaching, students are also guided to visit industries and other important places, guidance and help is given to them to participate in Science exhibition which are related to their syllabus.

5. Teaching Faculties in the department:

Sl. No	Name	Designation	Qualification	Subject Specialization	Years of Experience
1	Dr. Lalhmingliana Hnamte	Associate Professor	Ph.D, JRF-NET	Physical Chemistry	23
2	Dr. KB Singh	Associate	Ph.D	Inorganic Chemistry	29

		Professor			
3	Zonunthari	Associate Professor	M.Sc, Ph.D(on-going)	Organic Chemistry	21
4	R. Lalramengzami	Associate Professor	M.Sc	Physical Chemistry	21
5	Dr. Lalsaimawia Sailo	Assistant Professor	Ph.D, SLET& NET	Analytical Chemistry	5

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Associate Professor	2	2	Nil	Nil	Nil	Nil	2	2
Assistant Professor	Nil	Nil	Nil	Nil	1	Nil	1	Nil
Lab Assistant	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Lab Attendant	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

7. Details of the Courses conducted by the department:

I- Semester

CHEM/I/EC/01

Inorganic Chemistry-I-Theory

Marks [Scaled]: 100 (Internal: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/I/EC/02

Inorganic Chemistry-I-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

II Semester

CHEM/II/EC/03

Organic Chemistry-I-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/II/EC/04

Organic Chemistry-I-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

III- Semester

CHEM/III/EC/05

Physical Chemistry-I-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/III/EC/06

Physical Chemistry-I-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

IV- Semester

CHEM/IV/EC/07

Analytical Chemistry-I-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/IV/EC/08

Analytical Chemistry-I-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

V Semester

CHEM/V/CC/09

Inorganic Chemistry-II-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/V/CC/10

Inorganic Chemistry-II-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

CHEM/V/CC/11

Organic Chemistry-II-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/V/CC/12

Organic Chemistry-II-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

CHEM/V/CC/13

Physical Chemistry-II-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/V/CC/14

Physical Chemistry-II-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

CHEM/V/CC/15 (A)*

Analytical Chemistry (Option A)

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 4-2-0

V Semester

CHEM/V/CC/15 (B)*

Industrial Chemistry (Option B)

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 4-2-0

VI Semester

CHEM/VI/CC/16

Inorganic Chemistry-III-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/VI/CC/17

Inorganic Chemistry-III-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

CHEM/VI/CC/18

Organic Chemistry-III-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/VI/CC/19 *Organic Chemistry-III-Practical*

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

CHEM/VI/CC/20

Physical Chemistry-III-Theory

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 3-1-0

CHEM/VI/CC/21

Physical Chemistry-III-Practical

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 0-0-2

CHEM/VI/CC/22 (A)*

Material Chemistry (Option A)

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 4-2-0

CHEM/VI/CC/22 (B)*

Natural Products (Option B)

Marks [Scaled]: 100 (Internal Exam: 25 + End Semester Exam: 75) Credits: 4-2-0

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1	I Semester	200	97	34	59	95.00%
2	II Semester	93	93	34	59	54.83%
3	III Semester	95	95	55	40	90.00%
4	IV Semester	95	95	55	40	98.94%
5	V Semester	11	11	5	6	100%
6	VI Semester	11	11	5	6	63.63%

9. Student - Teacher Ratio:

1st Semester, 120 : 2

2nd Semester, 97 : 2

3rd Semester, 97 : 2

4th Semester, 120 : 2

5th Semester, 11 : 4

6th Semester, 11 : 4

10. Annual Average Attendance Percentage of the Student:

I Semester	88.43%
II Semester	84.36%
III Semester	89.59%
IV Semester	87.12%
V Semester	86.34%
VI Semester	89.67%

11. Study tour conducted under year of report: N/A

12. Awards / Recognitions received by faculty and students:

We had University rank holders in the last Mizoram University Results 2019. They are:-

2nd position – Esther Dimngaihvungi

3rd position – Sylvia Lallawmkimi

7th position – Vanlaltanpuii

Mizo Academy of Sciences gave Certificate of Appreciation to Dr. Lalsaimawia Sailo for his achievement in NET conducted by CSIR-UGC under the subject Chemical Sciences.

13. Details of Faculty qualified for the Ph.D degree under year of report: N/A

14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No	Name of Faculty	Course/Title	Organised by	Duration /Date	Funded by
1.	Dr. Lalhmingliana Hnamte	Evaluator in District Level Children Science Congress	Children Science Congress, Aizawl District	28 th Sept, 2018	

		Paper presented in Mizoram Science Congress 2018		4 th -5 th Oct, 2018	
		Paper presented in State level one day seminar on basic concepts of scientific research in chemistry	Dept. of Chemistry, PUC	17 th Oct, 2018	
		Chaired session in 4 th International Conference on Application of RadiotraCers and Energetic Beams in Sciences (ARCEBS-2018)	The Saha Institute of Nuclear Physics (SINP), Kolkata, India	11 th -17 th Nov, 2018	
		Question Paper set in UG Exam	MZU	15 th Nov, 2018	
		Counting Supervisor in MLA Election 2018	District Election Officer	11 th Dec, 2018	
		Chief Examiner in UG Exam	MZU	3 rd – 11 th Dec, 2018	
		Participated in Introduction to Gaussian: Theory and Practice		14 th -18 th Jan, 2019	
		Participated in State Level Seminar on Climate Change: Beat Plastic Pollution	MAS & GZRSC	7 th Feb, 2019	
2.	Dr. K.B Singh	Question paper set for UG Exam	MZU	28 th July, 2018	
		MZU Moderation Board Meeting(UG)	MZU	7 th & 8 th Aug, 2018	
		Participated in State level one day seminar on Basic concepts of Scientific Research in Chemistry	Pachhunga University College	17 th Oct, 2018	

		UG Exam Invigilator	MZU	10 th Nov-6 th Dec, 2018	
		Duty in University Sports	MZU	11 th -15 th March, 2019	
		Counting Supervisor in Lok Sabha MP Election	District Election Officer	23 rd May, 2019	
		Chief Examiner in UG Exam	MZU	27 th May- 3 rd June 2019	
3.	Zonunthari	Resource person in Seminar on Research Motivation	Research & Seminar Committee	24 th Aug, 2018	RUSA, GZRSC
		Duty in College Week	MZU	3 rd -7 th Sept, 2018	
		Resource Person Certificate Course in pollution	ENVIS Hub, Mizoram Pollution Control Board	3 rd Sept.-8 th Nov, 2018	Ministry of Environment & Climate Change
		BOS Meeting	MZU	10 th Oct, 2018	
		Paper presented in International Conference on BEHIET 2018	School of Life Sciences, MZU & ABAP, India	12 th - 14 th Nov, 2018	ABAP, India
		Paper set in UG Exam	MZU	15 th Nov, 2018	
		Paper Examiner in UG Exam	MZU	3 rd – 11 th Dec, 2018	
		Counting Supervisor in MLA Election 2018	District Election Officer	11 th Dec, 2018	
		BOS Meeting	MZU	23 rd April, 2019	
		UG Exam Invigilator	MZU	1 st -23 rd May, 2019	

		Counting Supervisor in Lok Sabha MP Election	District Election Officer	23 rd May, 2019	
		Paper Set in UG Exam	MZU	27 th June, 2019	
4.	Dr. Lalsaimawia Sailo	Participated in Seminar on Research Motivation which was organized by on 24 th August, 2018.	Research & Seminar Committee, GZRSC	24 th Aug, 2018	RUSA, GZRSC
		Participated in Mizoram Science Congress 2018, National Conference	Mizoram Science Congress 2018 Organising Committee	4 th & 5 th Oct, 2018	
		Presented paper in State level one day seminar on Basic concepts of Scientific Research in Chemistry	Pachhunga University College	17 th Oct, 2018	
		Paper Examiner in UG Exam	MZU	3 rd – 11 th Dec, 2018	
		Participated in Outreach Programme	Indian Statistical Institute North-East Centre, Tezpur & Dept. of Mathematics GZRSC	31 st Jan, 2019	
		Participated in State Level Seminar on Climate Change: Beat Plastic Pollution	MAS & GZRSC	7 th Feb, 2019	
		Paper Presented in International Conference on Chemistry & Environmental	Dept. of Chemistry, MZU	19 th – 22 nd Feb, 2019	

		Sustainability(ICCES-2019			
		Duty in University Sports	MZU	11 th -15 th March, 2019	
		Participated in Seminar on Science for the people and the people for Science	MAS & MISTIC	3 rd May, 2019	
		UG Exam Invigilator	MZU	1 st -23 rd May, 2019	
		Paper Examiner in UG Exam	MZU	27 th May- 3 rd June 2019	
5.	R. Lalramengzami	Paper Set in UG Exam	MZU	27 th June, 2019	

15. Details of conference/Seminar organized by the department: N/A

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: N/A

17. Recognised Research Centre /facility: N/A

18. Number of Faculty as members in:

- a) University : 2
- b) State : 5
- c) Regional : N/A
- d) National committees : N/A
- e) International Committees: N/A
- f) Editorial Board : 2

19. Details of Publications of Faculty: N/A

20. Participation of the department in the courses offered by other departments: N/A

21. Courses in collaboration with other universities, industries, foreign institutions, etc.: N/A

22. Extension activities by the department:

Remedial Classes were conducted for 1st Semester during July 4&5, 2018 and for 2nd Semester during March 2, 2019 to April 27, 2019 with the help of RUSA, GZRSC under Equity Initiatives.

The Programme was a very big success and we received many positive feedbacks from the students and the classes yielded good results.

23. Library facilities: (Numbers only)

- a. Textbooks and Reference Books : 1185
- b. Journals : Nil
- c. E-Books and E Journals : Nil
- d. Any other : Nil

24. Any other relevant information: N/A

D ANNUAL DEPARTMENT REPORT FOR COMPUTER SCIENCE

1. **Name of department:** COMPUTER SCIENCE

2. **Year of establishment:** 2003

3. **Name of the Head of Department:** M.S. Dawngliani

Phone No (Official): 0389-2306762

Email: dawngliani@yahoo.co.in

4. **Brief Introduction of the Department:**

Bachelor of Computer Applications (BCA) is a 3 years under-graduate degree course in the field of Computer. All candidates who have passed the 10+2 or its equivalent examination in any stream conducted by a recognized Board / University / Council are eligible to take admission in BCA.

After completion of the BCA course one can opt for masters or can even try for job opportunities. This course is structured mainly to build the career in information technology. Most of our students who go for higher studies join MCA (Masters of Computer Application) and MBA (Master of Business Administration). These two streams are designed to meet the growing demand for qualified professionals in the field of Information Technology and business administration.

The basic objective of BCA Course is to provide young men and women with the required knowledge and necessary skills to get rewarding careers in the changing world of Information technology. The graduates can begin their career as Junior Programmer and then mature into Sr. Programmer, System Analysts, etc. They may seek entrepreneurial roles in the computer world as independent business owners, software authors, consultants, or suppliers of systems and equipments. Career opportunities exist in such areas as management, software and hardware Industries, technical writing, IT Training Institutes, Software consultancy & Technical Support.

5. **Teaching Faculties:**

Sl.No	Name	Designation	Qualification	Subject Specialization
1.	M.S. Dawngliani	Assistant Professor	MSc Cs, Phd (Ongoing)	Computer Science
2.	C Lalrinawma	Assistant Professor (Contract)	MCA, Phd (Ongoing)	Computer Science
3.	Lalhruaitluanga	Assistant Professor (Contract)	MSc IT, Phd (Ongoing)	Computer Science
4.	R Lalmawipuii	Assistant Professor (Contract)	MTech (IT)	Computer Science
5.	H Thangkhanhau	Assistant Professor Guest Lecturer	MTech	Computer Science
6.	Laldingliana Sailo	Assistant Professor Part Time	MCA	Computer Science
7.	Vanlallura	Assistant Professor Part Time	MCA	Computer Science

8.	Lalremtluanga	Assistant Professor Part Time	M Com	Commerce
9.	Lalngurzami	Assistant Professor Part Time	MSc(Maths)	Mathematics

6. Student Intake Capacity: 50

7. Non-Teaching Staff in the Department:

Sl.No	Name	Designation	Qualification
1.	David Sailo	Lab Assistant	MCA
2.	Lalthlanhlui	Lab Bearer	XII

8. Details of the Courses conducted by the department:

Paper Code	Name of Paper	Type
1st Semester		
BCA101	English Language & Communication Skills	Theory
BCA102	Fundamentals of Mathematics	Theory
BCA103	Introduction to Information Technology	Theory
BCA104	Digital Computer Fundamentals	Theory
BCA105	Programming Language through C	Theory
BCA103P	PC Applications and Internet Technology	Practical
BCA105P	Programming in C	Practical
2nd Semester		
BCA201	Personality and Soft Skills Development	Theory
BCA202	Discrete Mathematics	Theory
BCA203	Data Structure using C	Theory
BCA204	System Analysis and Design	Theory
BCA205	Accounting and Financial Management	Theory
BCA203P	Data Structure using C	Practical
BCA205P	Tally ERP 9.0	Practical
3rd Semester		
BCA301	Management Information Systems	Theory
BCA302	Numerical Analysis	Theory
BCA303	Operating Systems	Theory
BCA304	Object Oriented Programming in C++	Theory
BCA305	Computer Organization and Architecture	Theory
BCA303P	Unix and Shell Programming	Practical
BCA304P	C++ Programming	Practical
4th Semester		
BCA401	Environment and Ecology	Theory
BCA402	Database Management Systems	Theory
BCA403	Computer Networking	Theory
BCA404	Software Engineering	Theory

BCA405	GUI Programming	Theory
BCA402P	Oracle Laboratory	Practical
BCA405P	Programming with VB 2010 with Mini Project	Practical
5th Semester		
BCA501	Introduction to Java Programming	Theory
BCA502	Computer Graphics and Multimedia	Theory
BCA503	Microprocessors	Theory
BCA504	Software Project Management	Theory
BCA501P	Java Programming	Practical
BCA503P	Assembly Language Programming	Practical
BCA5E1 BCA5E2 BCA5E3	Elective – I (Any one from below) Introduction to e-Governance Computer Network Security Data Mining and Warehousing	Theory
6th Semester		
BCA6E1 BCA6E2 BCA6E3 BCA6E4	Elective – II (Any one from below) Operation Research Theory of Computing Fundamentals of TCP/IP IT Acts and Cyber Laws	Theory
BCA6E5 BCA6E6 BCA6E7 BCA6E8	Elective – III (Any one from below) Artificial Intelligence Internet and e-Commerce Simulation and Modelling Analysis and Design of Algorithms	Theory
BCA601P	MAIN PROJECT	Practical

9. Students Particulars:

Sl.No	Semester	SC		ST		GENERAL		OBC		TOTAL	
		M	F	M	F	M	F	M	F	M	F
1.	I Semester			34	4					35	4
2.	II Semester			34	3					34	3
3.	III Semester			20	7					20	7
4.	IV Semester			19	7					19	7
5.	V Semester			18	8					18	8
6.	VI Semester			18	8					18	8

10. Annual Average Attendance Percentage of the Student: 85%

11. Study tour conducted under year of report: NA

12. Achievement of students if any, under Year of report:

University Rank Holders in the 6th Semester MZU Examination:

a. Roll no 1607BCA002 Vanlalmalsawma, 1st Position, Distinction

b. Roll no 1607BCA012 K Lalthanlua, 6th Position, First Division

c. Roll no 1607BCA027 Lalrinchhana, 7th Position, First Division

13. Details of Faculty qualified for the Ph.D degree under year of report: NA

14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No	Name of Faculty	Course/Title	Organised by	Duration /Date	Funded by
1.	M.S. Dawngliani	Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC
		State Level Seminar on Climate Change, beat Plastic Pollution	Mizoram Academy of Science and GZRSC	7 th Feb 2019	Dept. of Environment, Forest and Climate Change, Govt of Mizoram
		Awareness Campaign on Drug Abuse, Social Media and Cyber Crime and Human Trafficking	Research and Seminar Committee, CID (Crime)	24 th July 2019	RUSA
		Soft Skill and Career Readiness Programme	Student Support Committee and Avenue Shillong	17 th July 2019	RUSA
		Personality Development	Student Support Committee	16 th -22 nd May 2019	RUSA
		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee, GZRSC	22 nd March 2019	RUSA
2.	C Lalrinawma	Refresher Course on Research Methodology	HRD, MZU	31 st July- 20 th August 2018	UGC
		Faculty Induction Programme	FDC, MZU	27 th May-25 th June 2019	
		One week course on Information and Communication Technology	HRD, MZU	21 st -27 th March 2019	UGC
		Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC

		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee, GZRSC	22 nd March 2019	RUSA
3.	Lalhruaitluanga	Faculty Development Program on entrepreneurship	Incubation Centre, MZU	10 th -15 th Sept 2018	
		Jury Member for startup India Competition	Dept. of Industrial Policy & Promotion	27 th Feb 2019	
		Publish a book "Stairway to Higher Education"	ISBN: 978-81-939434-5-8	17 th May 2019	
		Interview Board Member for selection of project consultant under RUSA	Dept. of H&TE	30 th Aug 2018	RUSA
		SoftSkill and Career Readiness Programme	Student Support Committee and Avenue Shillong	17 th July 2019	RUSA
		Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC
		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee, GZRSC	22 nd March 2019	RUSA
4.	R Lalmawipuii	Orientation Course	HRD, MZU	28 th June-25 th July 2018	UGC
		Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC
		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee, GZRSC	22 nd March 2019	RUSA
5.	H Thangkhanhau	Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC
		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee,	22 nd March 2019	RUSA

			GZRSC		
6.	Laldingliana Sailo	Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC
		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee, GZRSC	22 nd March 2019	RUSA
7.	Lalremtluanga	Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC
		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee, GZRSC	22 nd March 2019	RUSA
8.	Lalnurzami	Computer Hardware and Networking	Dept. of Computer Science GZRSC	9 th October 2018	GZRSC
		Career Enhancement Skills and interaction with Alumni	Dept. of Comp. Science & Alumni Committee, GZRSC	22 nd March 2019	RUSA

15. Details of conference/Seminar organized by the department:

Sl.No	Topic	Funded by	Collaborations
1.	Computer Hardware and Networking on 9 th October 2018	GZRSC	-
2.	Career Enhancement Skills and interaction with Alumni on 22 nd March 2019	RUSA	Alumni Committee, GZRSC

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

17. Recognised Research Centre /facility: NIL

18. Number of Faculty as members in

a) **University:** 1

b) **State:** 2

c) **Regional:**

d) **National committees:**

e) **International Committees:**

f) Editorial Board: 2

19. Details of Publications of Faculty:

Sl. No	Name of Faculty	Title of the Paper	Date of Publication	Published by	ISSN No

20. Participation of the department in the courses offered by other departments: NIL

21. Courses in collaboration with other universities, industries, foreign institutions, etc: CCC in collaboration with NIELIT, Aizawl and Online certification Course in collaboration with IIT Mumbai.

22. Extension activities by the department:

- a. The department organized Computer free clinic for the locality on 9th oct 2018.
- b. All the 5th Semester Students participated in Workshop on Sustainable Development Goals on 24th August 2018 at ATI Auditorium, New Secretariat Complex, Aizawl organized by Planning and Programme implementation Department, Govt. of Mizoram.
- c. All the 5th Semester Students participated in legal awareness run from Vanapa Hall to Millenium Center on 18th August 2018 which was organized by Mizoram State Legal Service.
- d. The 1st and 3rd semester visit Information and Communication Department, Govt. of Mizoram on 19th July 2019 and August 2019 during an IT Trip.
- e. The 5th Semester Students participated in Mass Cleanliness drive, Main road of Aizawl City and AR Ground organized by NSS unit on 22nd August 2018.
- f. Meet 1st semester parents on 27th August 2018.

23. Library facilities: (Numbers only)

- a. **Textbooks and Reference Books:** 889
- b. **Journals:**
- c. **E-Books and E Journals:**
- d. **Any other:**

24. Any other relevant information:

E ANNUAL DEPARTMENT REPORT FOR ELECTRONICS DEPARTMENT

1. **Name of department:** ELECTRONICS

2. **Year of establishment:** 2003

3. **Name of the Head of Department:** Prof. B. Zoliana

Phone No (Official): 9436140347

Email: bzoliana@gmail.com

bzoliana@rediffmail.com

4. Brief Introduction of the Department:

The Electronics department has been introduced to keep pace with emerging trends in the field of research and development. Conventional subjects in computer era will not be able to provide sufficient information to the fast growing technology. Aware of this basic need, the college also put forward a proposal for establishing Electronics department in 2002 to Government of Mizoram. At the same time, requirements were collected and after receiving a green signal, Electronics Department was established in 2003 starting with first year B.Sc. students. The first batch appeared for exam in 2003 under NEHU.

At first the Department was manned by three permanent teachers. However, two of them left the college and joined the Mizoram University as faculty members. In addition to that, another faculty member left the department and joined as an academic officer in Mizoram Board of School Education (MBSE). Now the department is looked after by one Permanent Professor with three Part-time Faculties.

Type of affiliation: Temporary to MZU. Presently only General papers are allotted to this department.

5. Teaching Faculties in the department:

Sl. No	Name	Designation	Qualification	Subject Specialization	Year of Experience	No. of Ph.D. Student guided
1.	Dr. B. Zoliana	Professor	MSc(Physics), Ph.D	Nuclear Physics	26	6
2.	Dr. Ricky Lalmangaihzuala	Asst. Professor	MSc(Physics), Ph.D	Advanced Electronics	11	NIL
3.	Dr. PC. Rohmingliana	Asst. Professor	MSc(Physics), Ph.D	Computer Application in Physics	6	NIL
4.	Mr. Reginald H.Vanlalchaka	Part-time Asst. Professor	M. Tech (Electronics & Comm) UGC-NET (Electronics Sciences)	Electronics Design & Technology	6	NIL

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor	1	0	0	0	0	0	1	0
Associate Professor	0	0	0	0	0	0	0	0
Assistant Professor	0	0	0	0	3	0	3	0
Lab Assistant	0	1	0	0	0	0	0	1
Lab Attendant	0	0	0	0	0	0	0	0

7. Details of the Courses conducted by the department:

Semester	Course No.	Name of Paper	Credit
1 st	EL/I/EC/01	Electronics Instrument and Circuit Analysis	4
	EL/I/EC/02	Laboratory-I	2
2 nd	EL/II/EC/03	Semiconductor Physics	4
	EL/II/EC/04	Laboratory-II	2
3 rd	EL/III/EC/05	Electronic Devices and Amplifier	4
	EL/III/EC/06	Laboratory-III	2
4 th	EL/IV/EC/07	Pulse Switching Circuits	4
	EL/IV/EC/08	Laboratory-IV	2
5 th	EL/V/CC/09	Transmission Line and Radar System	4
	EL/V/CC/10	Analog Circuits and Modulation	4
	EL/V/CC/11	Computer Fundamentals	4
	EL/V/CC/12	Laboratory-V	2
	EL/V/CC/13	Laboratory-VI	2
	EL/V/CC/14	Laboratory-VII	2
	EL/V/CC/15(a)	Optional I (any one) Electronics Instrument	4
	EL/V/CC/15(b)	Solid State Electronics	
EL/V/CC/16	Project – I	2	
6 th	EL/VI/CC/17	Analog and Digital Electronics	4
	EL/VI/CC/18	Computer Organization and Microprocessor	4
	EL/VI/CC/19	Opto-electronic Devices	4
	EL/VI/CC/20	Laboratory-VIII	2
	EL/VI/CC/21	Laboratory-IX	2
	EL/VI/CC/22	Laboratory-X	2
	EL/VI/CC/23(a)	Power Electronic Devices	4
	EL/VI/CC/23(b)	Fiber Optics and Electronic Communication	
	EL/VI/CC/24	Project – II	2
			72

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1.	I Semester	40	33	24	7	72
2.	II Semester	34	29	23	7	44.82
3.	III Semester	28	24	23	1	92
4.	IV Semester	27	24	23	1	70.58
5.	V Semester	-	-	-	-	-
6.	VI Semester	-	-	-	-	-

9. Student - Teacher Ratio : 19: 1

10. Annual Average Attendance Percentage of the Student: 82.59%

11. Study tour conducted under year of report: one (1)

12. Awards / Recognitions received by faculty and students:

Electronics Department was selected among *top-3 Best Department 2018* and bestowed an award by IQAC GZRSC.

13. Details of Faculty qualified for the Ph.D degree under year of report: NIL

14. Paper presented / chaired sessions / attended in seminars / conferences / workshops / symposium; invited Lectures given / attended by teaching faculty in refresher course / Orientation course / others:

Sl. No	Name of Faculty	Course/Title	Organised by	Duration /Date	Funded by
1	Prof. B. Zoliana	Attended 63 rd Health Physics Society 2018 Annual Meeting and presented a poster presentation on “Study of Radon Inhalation Dose Rate in the Area of Highest Lung Cancer Incidence in India”, at Cleveland, Ohio, USA.	Health Physics Society	5 Days 15 th -19 th July, 2018	Health Physics Society
		Organizing member in ‘Awareness campaign on Drug Abuse, Social media/Cyber-crime and Human Trafficking	Research & Seminar Committee, GZRSC and CID (Crime), Mizoram, Aizawl	1 Day 24 th July, 2018	RUSA

		Organizing Chairman in 'Career Guidance cum Preparation of Ginger Squash'	Village and School Adoption Committee, GZRSC in collaboration with Rosebud School	1 Day 31 st July, 2018	RUSA
		Organizing member in Seminar on ' <i>Research Motivation</i> ' at Govt. Zirtiri residential Science College.	Research & Seminar Committee, GZRSC	1 Day 24 th Aug, 2018	RUSA
		Organizing Chairman in Hands-on training on ' <i>Fabric Stenciling</i> ' held at Govt. Venglai Middle School, Aizawl.	Village & School Adoption Committee, GZRSC. Funded	1 Day 31 st August, 2018	RUSA
		Presented 3 papers in the Mizoram Science Congress 2018, a National Conference, held at Pachhunga University College.	Mizoram Science Congress	2 days 4 th – 5 th Oct, 2018	
		Participated in State Level Seminar ' <i>Science for the People and the People for Science</i> ' at Central Young Mizo Association Hall, Tuikhuatlang, Aizawl, Mizoram	Mizo Academy of Sciences (MAS) & Mizoram Science, Technology & Innovation Council (MISTIC)	1 Day 3 rd May, 2019	
		Organizing Chairman in ' <i>Workshop on Life Skills and Food Adulteration</i> ' held at College Auditorium, GZRSC, Aizawl.	Village and School Adoption Committee, GZRSC in Collaboration with Govt. Republic High School, Aizawl.	1 Day 15 th May, 2019	RUSA, GZRSC.

2	Dr. Ricky Lalmangaihual a	Organizing Secretary in 'Awareness campaign on Drug Abuse, Social media/Cyber-crime and Human Trafficking'	Research & Seminar Committee, GZRSC and CID (Crime), Mizoram, Aizawl	1 Day 24 th July, 2018	RUSA
		Organizing Secretary in 'Career Guidance cum Preparation of Ginger Squash' held at Rosebud School, Aizawl.	Village and School Adoption Committee, GZRSC in collaboration with Rosebud School.	1 Day 31 st July, 2018	RUSA
		Organizing Secretary in Seminar on ' <i>Research Motivation</i> ' at Govt. Zirtiri residential Science College.	Research & Seminar Committee, GZRSC.	1 Day 24 th Aug, 2018	RUSA, GZRSC.
		Organizing Secretary in Hands-on training on ' <i>Fabric Stenciling</i> ' held at Govt. Venglai Middle School, Aizawl.	Organised by Village & School Adoption Committee, GZRSC.	1 Day 31 st August, 2018	RUSA, GZRSC
		Participated in State Level Seminar on Climate Change ' <i>Beat Plastic Pollution</i> ' at the Seminar Hall, Govt. Zirtiri Residential Science College.	Mizo Academy of Sciences (MAS) & Govt. Zirtiri Residential Science College (GZRSC).	1 Day 7 th February, 2019	Environment, Forest and Climate Change, Govt. of Mizoram.
		Appointed as Presiding Officer for the Lok Sabha Election Duty at the Polling Station of Sawleng Village.	Gov't Mizoram	1 Day 11 th April, 2019,	
		<i>Organizing Secretary</i> in in ' <i>Workshop on Life Skills and Food Adulteration</i> ' held at College Auditorium, GZRSC, Aizawl.	Village and School Adoption Committee, GZRSC in Collaboration with Govt. Republic High School,	1 Day 15 th May, 2019	RUSA, GZRSC.

			Aizawl.		
		Participated in the 3-Days National Level Workshop on “Quantum Science and Technology” held at the Seminar Hall, Pachhunga University College.	Department of Science & Technology, Government of India	3 days 29 th -31 st July, 2019	Department of Science & Technology, Government of India
3	Dr. PC. Rohmingliana	Attended in ‘Awareness campaign on Drug Abuse, Social media/Cyber-crime and Human Trafficking’ held at GZRSC.	Research & Seminar Committee, GZRSC and CID (Crime), Mizoram, Aizawl.	24 th July, 2018	RUSA, GZRSC
		Chaired at the programme of NSS Orientation Programme cum Blood Donation Campaign at the College Auditorium.	NSS	1 Day 25 th July, 2018	
		Attended in Seminar on ‘ <i>Research Motivation</i> ’ at Govt. Zirtiri residential Science College.	Research & Seminar Committee, GZRSC.	1 Day 24 th Aug, 2018	RUSA, GZRSC.
		As a Programme Officer in NSS, participated in the Special Camping programme held at Saithah Village.	NSS	6 Days 13 th – 19 th September, 2018	
		Attended in the Senior Management Consultative Workshop organised under the MNRE-SBI-WBGRP TA Program.	MNRE-SBI-WBGRP	1 day 16 th Nov, 2018	
		Participated in State Level Seminar on Climate Change ‘ <i>Beat Plastic Pollution</i> ’ at the Seminar Hall, Govt. Zirtiri Residential Science College.	Mizo Academy of Sciences (MAS) & Govt. Zirtiri Residential Science College (GZRSC).	1 Day 7 th February, 2019	Environment, Forest and Climate Change, Govt. of Mizoram.
		Participated in the Special Camping Programme at Chhingchhip and Hualtu Villages.	NSS Unit, GZRSC	7 Days 7 th – 13 th March, 2019,	
		Appointed as Presiding	Govt Of	1 Day	

		Officer for the Lok Sabha Election Duty which was held at the Polling Station of Bungkawn – III, Aizawl.	Mizoram	11 th April, 2019,	
		Participated in State Level Seminar ' <i>Science for the People and the People for Science</i> ' at Central Young Mizo Association Hall, Tuikhuahtlang, Aizawl.	MAS & MISTIC	1 Day 3 rd May, 2019	
		Participated in the 3-Days National Level Workshop on "Quantum Science and Technology" held at the Seminar Hall, Pachhunga University College.	Department of Science & Technology, Government of India	3 Days 29-31 July, 2019	Department of Science & Technology, Government of India
4	Mr. Reginald H. Vanlalchaka	Presented a topic entitled " <i>Correlation analysis between drowsiness and HRV parameters</i> " in the Mizoram Science Congress 2018, a National Conference, held at Pachhunga University College.	Mizoram Science Congress	2 days 4 th – 5 th Oct, 2018	
		Participated in State Level Seminar on Climate Change ' <i>Beat Plastic Pollution</i> ' at the Seminar Hall, Govt. Zirtiri Residential Science College.	Mizo Academy of Sciences (MAS) & Govt. Zirtiri Residential Science College (GZRSC).	1 Day 7 th February, 2019	Environment, Forest and Climate Change, Govt. of Mizoram.
		Presented a topic entitled " <i>Power Efficient 8421 Code to Excess-3 Code Converter : A new Circuit Design Approach</i> " in 1 st International Conference on Recent Trends on Electronics & Computer Science (ICRTECS2019)	National Institute of Technology (NIT) Silchar	2 Days 18 th -19 th March, 2019	National Institute of Technology (NIT) Silchar
		Appointed as Presiding Officer for the Lok Sabha Election Duty which was held at the Polling Station of Chhinga Veng – V, Aizawl.	Govt Of Mizoram	1 Day 11 th April, 2019,	

15. Details of conference/Seminar organized by the department:

Sl.No	Topic	Funded by	Collaborations
1.	A power-point Seminar presentation was successfully organised for the 3 rd Semester & 4 th Semester students for their 3 rd Internal Examination at the Electronics Laboratory on 17 th October, 2018 and 16 th April, 2019 respectively.		

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

17. Recognised Research Centre / facility : Environmental Radiation Monitoring Research Laboratory.

18. Number of Faculty as members in

- a) University : 1
- b) State : 3
- c) Regional : 1
- d) National committees : 1
- e) International Committees : NIL
- f) Editorial Board : 1

19. Details of Publications of Faculty :

Sl. No	Name of Faculty	Title of the Paper	Date of Publication	Published by	ISSN/ISBN No
1.	Prof. B. Zoliana	Measurement of Natural Radioactivity using NaI (TI) detector in soil samples collected from Aizawl, Mizoram, India	December 2018	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		“Measurement of primordial radionuclides in soil and building materials from Mizoram, India”	December 2018	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		Presented a topic entitled “Assessment of Radon content in water using smart RnDuo in North-East India”	December 2018	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		Measurement of primordial radionuclides in soils and building material from Mizoram, India.	December 2018	ATLANTIS PRESS	ISBN: 978-94-6252-638-9

		Assessment of radon content in Water using smart RnDuo in Northeast India. ,	December 2018	ATLANTIS PRESS	ISBN: 978-94-6252-638-9
		Measurement of Radon exhalation from soil samples in various fault regions of Aizawl District, Mizoram, India.	December 2018	ATLANTIS PRESS	186 – 189. ISBN: 978-94-6252-638-9
		Measurement of natural radioactivity using NaI (TI) detector in soil samples collected from Aizawl, Mizoram, India.	December 2018	ATLANTIS PRESS	ISBN: 978-94-6252-638-9,
3.	Dr. PC. Rohmingliana	Measurement of primordial radionuclides in soils and building material from Mizoram, India.	December 2018	ATLANTIS PRESS	ISBN: 978-94-6252-638-9
4.	Mr. Reginald H.Vanlalchaka	Correlation analysis between drowsiness and HRV parameters.	December 2018	ATLANTIS PRESS	ISBN:978-94-6252-638-9

20. Participation of the department in the courses offered by other departments: NIL

21. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

22. Extension activities by the department:

Study trip/ Outreach program: Study Tour (Educational Tour) was organized successfully at Mumbai during 22nd January - 4th February, 2019. The students were selected from I, II and V Semester of Physical Sciences group. The tour was guided by Dr. Ricky Lalmangaihzuuala & Dr. PC. Rohmingliana (two teaching faculty members from Electronics Department). The main purpose of this tour is educational and the visit proved successful.

(a) Indian Institute of Technology (IIT) Bombay.

(b) Nehru Science Centre, Mumbai.

The students were quite inspired and augmented their perspectives of life in positive and fruitful ways. The visit would be beneficial in the pursuit of their careers and in the future endeavours.

23. Library facilities: (Numbers only):

(a) Textbooks and Reference Books : 512

(b) Journals : 1

(c) E-Books and E Journals : NIL

(d) Any other : NIL

24. Any other relevant information : NIL

25. Any other report:

- 1) Using the fund (Rs.17,000/-) sanctioned by the Principal, GZRSC, wiring of electric lines in Laboratory Tables were successfully completed.
- 2) As per schedule, the Inspection team from MZU has successfully inspected the Electronics Department for affiliation into Mizoram University (MZU) on 25th March, 2019.
- 3) New equipments/ instruments purchased during the period of report:

Sl. No.	DESCRIPTION OF GOODS	MODEL NO.	QTY
1.	Digital Workstation 0918153.	Sciencetech 2611DS	1
2.	Analog Lab. 09183091.	Sciencetech 2612	1
3.	Analog Lab. 1018349 to 1018350.	Sciencetech 2612A	2
4.	Soldering and Desoldering station Digital 0918689.	Nvis83	1
5.	70 MHz Dual Channel Digital Storage Oscilloscope with colour TFT 7 Inch Display 0718574 to 0718575.	Sciencetech 402	2
6.	TINA V11 Design Suite Education Version Software.	TINA V11DS	1

F ANNUAL DEPARTMENT REPORT FOR ENGLISH DEPARTMENT

1. Name of department: ENGLISH

2. Year of establishment: 2000

3. Name of the Head of Department: Laltluangkimi Hnamte

Phone No (Official): 9436361107

Email: hnamtekimi11@gmail.com

4. Brief Introduction of the Department:

The department came into existence when the college was first established as Zirtiri Women’s College. When the college was amalgamated with other science departments and came into existence as a purely science college in the year 2000, the department was adopted as one of the departments in the newly created Science College. The department offers General English Courses in all the three streams i.e Science, Home Science and Computer Science. The department has always endeared itself towards the development and progress of the college.

5. Teaching Faculties in the department:

Sl. No	Name	Designation	Qualification	Subject Specialization	Year of Experience
1.	Laltluangkimi Hnamte	Assoc. Prof	M.A (M.Phil)	English Literature	28
2.	Lalmalsawmi Chhangte	Assoc. Prof	M.A	English Literature	25
3.	Lalrinsangi Nghinglova	Assoc. Prof	M.A.LL.M P.G.D.T.E	English Literature	22

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor								
Associate Professor		3						3
Assistant Professor								
Lab Assistant								
Lab Attendant								

7. Details of the Courses conducted by the department:

Semester	Course Code	Name of course	Credit
First (Science & Home Science)	ENG/I/FC/I	Language and communication Skills	5
Second (Science & Home Science)	ENG/II/FC/II	Poetry &Prose	5

First (BCA)	BCA/I/CC/01	English language and Communication Skills	4
Second (BCA)	BCA/2/CC/07	Personality and Soft Skills Development	4

8. Students Particulars:

Sl.No	Semester	Applications received 2018-2019	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1.	II Semester Life Science	135	135	61	74	98
2.	II Semester \Physical Science	91	91	68	23	100
3.	II Semester Home science	25	25	-	25	100
4.	II Semester BCA	41	41	37	4	90.24

9. Student - Teacher Ratio:

- a) B.Sc Life Science – 45:1
- b) B.Sc Physical science – 30.3:1
- c) Home science – 8.3:1
- d) BCA – 13.36:1

10. Annual Average Attendance Percentage of the Student: 78 %

11. Study tour conducted under year of report: None

12. Awards / Recognitions received by faculty and students: None

13. Details of Faculty qualified for the Ph.D degree under year of report: NA

14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No	Name of Faculty	Course/Title	Organized by	Duration /Date	Funded by
1.	Lalrinsangi Nghinglova	Paper present at National Seminar on Rethinking Tribal Identity.	Dept of English, MZU Under UGC SAP DRS II	28 th -29 th March 2019	UGC SAP DRS II
		Personality Development course 2018	Student Support Committee	16 th -22 nd May 2019	
		Soft Skill and Career Readiness Programme	Student Support Committee and Avenue Shillong	17 th July 2019	
		Resource person at Finishing School 2018	RIPANS	23 rd July – 31 st July 2018	RUSA
		Resource person at Personality Development	RIPANS	17 th -28 th August 2018	
		Resource person at Seminar on 'Research Motivation' at Govt. Zirtiri Residential Science College. <i>(Documents Attached)</i>	Research & Seminar Committee, GZRSC	24 th Aug, 2018	RUSA
2.	Laltluangkimi Hnamte	Organizing member in 'Career Guidance cum Preparation of Ginger Squash' held at Rosebud School, Aizawl. <i>(Document Attached)</i>	Village and School Adoption Committee, GZRSC in collaboration with Rosebud School.	1 Day 31 st July, 2018	RUSA
		Organizing member in Hands-on training on 'Fabric Stenciling' held at Govt. Venglai Middle School, Aizawl.. <i>(Document Attached)</i>	Organised by Village & School Adoption Committee, GZRSC.	1 Day 31 st August, 2018	RUSA, GZRSC
		Resource person in 'Workshop on Life Skills and Food Adulteration' held at College Auditorium, GZRSC, Aizawl.	Village and School Adoption Committee, GZRSC in Collaboration with Govt. Republic High School, Aizawl.	1 Day 15 th May, 2019	RUSA, GZRSC.
3.	Lalmalsawmi Chhange	Counting Supervisor	General Election to Lok Sabha	23.5.2019	Counting Supervisor

		2019		
	Counting Supervisor	MLA Election, 2018	11.12.2018	Counting Supervisor

15. Details of conference/Seminar organized by the department:

Sl.No	Topic	Funded by	Collaborations

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

17. Recognized Research Centre /facility: NIL

18. Number of Faculty as members in:

a) **University:** Lalrinsangi Nghinglova, BOS & Moderation Board Member.

b) **State:** Lalmalsawmi Chhangte: Treasurer, MIELS

Laltluangkimi Hnamte: Member, MIELS

Lalrinsangi Nghinglova: Executive Member. MIELS & MCTA Hqr, Member for amendment of Draft HEC Act

c) **Regional:**

d) **National committees:** Lalrinsangi Nghinglova, Women's Cell, AIFUCTO

e) **International Committees:**

f) **Editorial Board:** Laltluangkimi Hnamte Chairman, College Magazine

Lalmalsawmi Chhangte, College Magazine

19. Details of Publications of Faculty:

Sl. No	Name of Faculty	Title of the Paper	Date of Publication	Published by	ISSN No
1.	Lalrinsangi Nghinglova	Indigeneity and Religion : The Mizo Context	1 st June 2019	Department of English MZU	2348-1188

20. Participation of the department in the courses offered by other departments:

All faculty members of the department are involved in the teaching-learning-evaluation process of the three streams i.e. Science, Home Science and Computer Science.

21. Courses in collaboration with other universities, industries, foreign institutions, etc:

22. Extension activities by the department:

23. Library facilities: (Numbers only)

a. **Textbooks and Reference Books:** 798

b. **Journals:** 2

c. **E-Books and E Journals:**

d. **Any other:**

24. Any other relevant information:

1. Laltluangkimi Hnamte:

Subject expert in Competitive Examinations conducted by MPSC & KVI

2. Lalmalsawmi Chhangte:

i. Subject expert in Competitive Examinations conducted by MPSC

ii. Counting Supervisor, MLA & M P Elections

3. Lalrinsangi Nghinglova

i. Subject expert in Competitive Examinations conducted by MPSC& MZU.

ii. Counting Supervisor, MLA & M P Elections

iii. Caretaker Officer NCC

G ANNUAL DEPARTMENT REPORT FOR GEOLOGY DEPARTMENT

1. Name of department: GEOLOGY

2. Year of establishment: 2013

3. Name of the Head of Department: C. Zoramthara

Phone No (Official): 9862501735

Email: czoramthara@gzrsc.edu.in

4. Brief Introduction of the Department:

Geology is the study of the earth and its natural resources. The field of geology involves the study of earth materials and processes. Geologists study all the concepts of earthquakes, landslides, floods, droughts, volcanic activity, ocean water currents (el Niño), types of soil, fuel oils, minerals (gold, silver, uranium), and so on. Many business enterprises rely on the information generated by geology and geologists for their activity. Gold, diamonds, silver, oil, iron, aluminium, and coal are all natural resources obtained from the Earth. These materials serve as the basis for many business enterprises. Thus, the study of geology plays an important role in modern life and civilization.

The Department of Geology was established in July 2013 as the Government of Mizoram realized the importance of the subject in the fields of oil and natural gas exploration, construction of dams and reservoir, disaster management and exploration of mineral resources and ground water of the country.

5. Teaching Faculties in the department:

Sl. No.	Name	Designation	Qualification	Subject Specialization	Year of Experience
1.	C. Zoramthara	Assistant Professor	M.Sc., NET (JRF)	Sedimentology, Geochemistry, Structural Geology	7 yrs
2.	Dr. C. Lalmuankimi	Assistant Professor	M.Sc., PhD	Geochemistry, Paleontology, Soil Chemistry	5 yrs
3.	Mr. Laltlankima	Assistant Professor	M.Sc., NET PhD (Ongoing)	Landslide, GIS, Stratigraphy	5 yrs
4.	Mr. C. Lalremruatfela	Assistant Professor	M.Sc., NET PhD (Ongoing)	Paleomagnetism, Structural Geology	5 yrs

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor	-	-	-	-	-	-	-	-
Associate Professor	-	-	-	-	-	-	-	-
Assistant Professor	1	-	2	1	-	-	3	1
Lab Assistant	-	1	-	-	-	-	-	1
Lab Attendant	-	-	-	-	-	-	-	-

7. Details of the Courses conducted by the department:

SEMESTER	COURSE CODE	NAME OF COURSE	MARKS	CREDITS
I Semester	Core Course I	General structural Geology and Mineralogy	60	4
I Semester	Core Course II	Practical-General structural Geology and Mineralogy	60	2
II Semester	Core Course III	Petrology & Geochemistry	60	3
II Semester	Core Course IV	Practical- Petrology & Geochemistry	60	2
III Semester	Core Course V	Stratigraphy and Palaeontology	60	3
III Semester	Core Course VI	Practical- Stratigraphy and Palaeontology	60	3
IV Semester	Core Course VII	Economic and Applied Geology	60	4
IV Semester	Core Course VIII	Practical- Economic and Applied Geology	60	2
CORE				
V Semester	Core Course IX	Applied and Engineering Geology	60	3
V Semester	Core Course X	Practical- Applied and Engineering Geology	60	2
V Semester	Core Course XI	Sedimentology & Sequence Stratigraphy	60	3
V Semester	Core Course XII	Practical- Sedimentology & Sequence Stratigraphy	60	2
V Semester	Core Course XIII	Igneous and Metamorphic Petrology	60	3
V Semester	Core Course XIV	Practical- Igneous and Metamorphic Petrology	60	2
V Semester	Core Course XV	Hydrogeology, Oceanography & Environmental Geology	60	3
V Semester	Core Course XVI	Practical- Hydrogeology, Oceanography & Environmental Geology	60	2
VI Semester	Core Course XVII	Paleontology and stratigraphy - II	60	3
VI Semester	Core Course XVIII	Practical- Paleontology and stratigraphy - II	60	2
VI Semester	Core Course XIX	Economic geology and mineral resources of India	60	3
VI Semester	Core Course XX	Practical- Economic geology and mineral resources of India	60	2
VI Semester	Core Course XXI	Dynamic of the earth and structural geology	60	3
VI Semester	Core Course XXII	Practical- Dynamic of the earth and structural geology	60	2
VI Semester	Core Course XXIII (Option-A)	Fuel geology and mineral exploration	60	3
VI Semester	Core Course XXIV (Option-A)	Practical- Fuel geology and mineral exploration	60	2
VI Semester	Core Course	Environmental Geology	60	3

	XXV (Option-B)			
VI Semester	Core Course XXVI (Option-B)	Practical- Environmental Geology	60	2

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1.	I Semester	27	21	15	6	75
2.	II Semester	21	21	15	6	77.77
3.	III Semester	17	17	5	12	92
4.	IV Semester	17	17	5	12	76.92
5.	V Semester	13	13	13	NIL	100
6.	VI Semester	13	13	13	NIL	69.23

9. Student - Teacher Ratio:

I & II Semester	-	5:1
III & IV Semester	-	4:1
V & VI Semester	-	3:1

10. Annual Average Attendance Percentage of the Student:

11. Study tour conducted under year of report:

- i) Geological Investigation of Aizawl Municipal area, Mizoram on 20.04.2018
- ii) Geological Fieldwork at Zuangtui, Aizawl on 11.08.2018
- iii) Geological Fieldwork at West Phaileng/ Saithah during 13-15.09.2018
- iv) Geological Field mapping of Aizawl Anticline on 21st November 2018

12. Awards / Recognitions received by faculty and students: N.A.

13. Details of Faculty qualified for the Ph. D. degree under year of report: N.A.

14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No.	Name of Faculty	Course/Title	Organized by	Duration /Date	Funded by
1.	C. Zoramthara	Attended "One day workshop to revise the scheme of examinations for Higher Secondary School, MBSE"	Mizoram Board of School Education	1 day	Govt. of Mizoram
		Oral presentation on 'Study of magnetic susceptibility and rock magnetism of Barail rock exposed along Ruantlang	Department of Science & Technology, Mizoram/ MISTIC/ MZU	2 days 4 th – 5 th October 2019	MISTIC, GSM, STAM, MAS, BIOCON

		section, Champhai, Mizoram, India			E, MMS and PUC
		Attended Refresher course on “Disaster Management”	HRDC, MZU	20 days	UGC
		Oral Presentation on ‘Grain size analysis of Tipam Sandstone of Meidum Village, Kolasib District, Mizoram’	HRDC, MZU	2 Days	UGC
		Resource person in one day International workshop on “Geological research in Indo-Burma ranges”	Dept. of Geology PUC, Geological Society of Mizoram (GSM), DST-NRDMS, New Delhi.	1 day 12 th November 2018	DST, NRDMS, New Delhi
2.	Dr. C. Lalmuankimi	Co-coordinator in “Second Mizoram Science congress”	Department of Science & Technology, Mizoram/ MISTIC/ MZU	2 days 4 th – 5 th October 2018	North East Council
		Resource person in one day International workshop on “Geological research in Indo-Burma ranges”	Dept. of Geology PUC, Geological Society of Mizoram (GSM), DST-NRDMS, New Delhi.	1 day 12 th November 2018	DST, NRDMS, New Delhi
		Attended Seminar on “Climate Change: Beat Plastic Pollution”	Mizo Academy of Sciences; Govt. Zirtiri Res. Sc. College	1 day (7 th February 2019)	Mizo Academy of Sciences
		Participated in Three Days workshop on “Quantum Science and Technology”	Pachhunga University College	3 days 29 th to 31 st July, 2019	DST, New Delhi
3.	Laltlankima	Attended Science Academies ‘Refresher Course in Geology “Mineralogy, Petrology, Thermodynamics, Ore Geology, Structural Geology and Tectonics”	Department of Geology, Mizoram University	14 days 17 th to 30 th September, 2018	MZU
		Participated in “Second	Department of	2 days	North

		Mizoram Science congress”	Science & Technology, Mizoram/ MISTIC/ MZU	4 th – 5 th October 2018	East Council
		Resource person in one day International workshop on “Geological research in Indo-Burma ranges”	Dept. of Geology PUC, Geological Society of Mizoram (GSM), DST-NRDMS, New Delhi.	1 day 12 th November 2018	DST, NRDMS, New Delhi
		Attended “25 th Orientation Course”	HRDC, MZU	20 th November to 17 th December, 2018	UGC
		Participated in “One day Outreach Programme”	Indian Statistical Institute, NEC, Tezpur & Dept. of Mathematics, GZRSC	1 day 31.01.2019	Indian Statistical Institute, NEC, Tezpur
4.	C. Lalremruatfela	Awareness campaign on drug abuse, social media/cyber-crime and Human trafficking	Research and seminar committee, GZRSC and CID (Crime), Mizoram	24 th July, 2018	Govt. of Mizoram
		Participated in “XXXI Inter Departmental Sport 2018”	Mizoram Civil Services Sports & Cultural Association	4 days 31 st July to 3 rd August, 2018	Govt. of Mizoram
		Attended Science Academies ‘Refresher Course in Geology “Mineralogy, Petrology, Thermodynamics, Ore Geology, Structural Geology and Tectonics”	Department of Geology, Mizoram University	14 days 17 th to 30 th September, 2018	MZU
		Oral presentation on ‘Study of magnetic susceptibility and rock magnetism of Barail rock exposed along Ruantlang section, Champhai, Mizoram, India	Department of Science & Technology, Mizoram/ MISTIC/ MZU	2 days 4 th – 5 th October 2019	MISTIC, GSM, STAM, MAS, BIOCON E, MMS

					and PUC
		Resource person in one day International workshop on “Geological research in Indo-Burma ranges”	Dept. of Geology PUC, Geological Society of Mizoram (GSM), DST-NRDMS, New Delhi.	1 day 12 th November 2018	DST, NRDMS, New Delhi
		Attended Seminar on “Climate Change: Beat Plastic Pollution”	Mizo Academy of Sciences; Govt. Zirtiri Res. Sc. College	1 day (7 th February 2019)	Mizo Academy of Sciences
		UGC-Sponsored 26 th Orientation Course	Human Resource Development Centre, Mizoram University	28 days 12 th March to 8 th April, 2019	UGC

15. Details of conference/Seminar organized by the department:

Sl. No.	Topic	Funded by	Collaborations
1.	Geological Research in Indo-Burma Ranges	DST-NRDM, New Delhi	Department of Geology, Pachhunga University College and Geological Society of Mizoram.

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Sl. No	Name of Project Invigilator/ Co-Project Invigilator	Title	Funding Agency	Period	Amount
1.	C. Zoramthara (Project Invigilator)	Classification, mapping and Structural analysis of mass wasting activities in parts of Northern flanks of Aizawl Anticline, Mizoram, India	Directorate of Science & Technology, Govt. of Mizoram	1 year	1,80,000.00
2.	C. Lalremruatfela (Co-Project Invigilator)	Classification, mapping and Structural analysis of mass wasting activities in parts of Northern flanks of Aizawl Anticline, Mizoram, India	Directorate of Science & Technology, Govt. of Mizoram	1 year	1,80,000.00

17. Recognized Research Centre /facility: N.A.

18. Number of Faculty as members in

- a) **University: 2 (Under Graduate Board of Studies)**
- b) **State: 4**
- c) **Regional: 1**
- d) **National committees: Nil**
- e) **International Committees: Nil**
- f) **Editorial Board: Nil**

19. Details of Publications of Faculty:

Sl. No	Name of Faculty	Title of the Paper	Date of Publication	Published by	ISSN No
1.	C. Zoramthara	Slip-partitioning above a shallow, weak decollement beneath the Indo-Burma accretionary prism. pp 17-28	04.09.2018	Earth and Planetary Science Letters (ELSVIER)	ISSN-0012-821X
2.	Dr. C. Lalmuankimi	Geological study of Carbonate band in Upper Bhuban Formation, Mizoram, India	04.10.2018	Advance in Engineering Research, Atlantis Press-Amsterdam-Paris-Beijing	ISSN-2352-5401

20. Participation of the department in the courses offered by other departments: N.A.

21. Courses in collaboration with other universities, industries, foreign institutions, etc: N.A.

22. Extension activities by the department:

- a) Visiting of Paleomagnetic, Geochemistry, Sedimentology, Paleontology Laboratories of Department of Geology, Mizoram University and demonstration of equipment on 12th October 2018.
- b) Invited Lectures:
 - i) Prof. Mrinal Kanti Sen, Associate Director, Institute of Geophysics, The University of Texas at Austin during 2nd to 3rd July, 2018.
 - ii) Pricilla Rinmuanpuii, Geologist, Geological Survey of India on 01.08.2019
 - iii) Lalchhuanzela, Petroleum Geologist on 11.09.2018
 - iv) Dr. Paul M. Betka, Research Associate, Lamont-Doherty Earth Observatory, Columbia University on 22nd to 23rd November 2018.
 - v) Dr. Paul Lalnuntluanga, Assistant Professor, Department of Geology, Mizoram University on 5th March 2019.

23. Library facilities: (Numbers only)

- a. **Textbooks and Reference Books:** Textbook 30 nos.
- b. **Journals:** Nil

c. E-Books and E Journals: Nil

d. Any other:

H ANNUAL DEPARTMENT REPORT FOR HOME SCIENCE DEPARTMENT**1. Name of department:** HOME SCIENCE**2. Year of establishment:** 1980**3. Name of the Head of Department:** Lalrinngheti Ralte**Phone No (Official):** 9436159575**Email:** rinituikual@gmail.com**4. Brief Introduction of the Department:**

Since its inception in the year 1980, BSc Home Science course has been running smoothly along with other department. It now runs in the semester mode. The course was first updated in 2015. The revised syllabus will be followed from the new Academic session. The course is of 3 years duration with two semesters in each year. Each year is divided into two semesters. The first academic year comprise of the 1st and 2nd semesters, the 2nd academic year - 3rd and 4th semesters and the 3rd academic year - 5th and 6th semesters.

Home Science has 5 streams:

- 1) Food and Nutrition
- 2) Clothing and Textile
- 3) Resource Management
- 4) Human Development
- 5) Community Development and Extension Education

There are 24 papers in Home Science, 20 from the streams of Home Science and 4 interdisciplinary papers. The course was framed based on the basis of the guidelines contained in the UGC hand book. Home Science being an applied science, the syllabus has been structured in such a manner that it equips the student with a general idea of the streams, keeping in mind the unique requirements of BSc Home Science students. Practicals and field experiences are an essential part of the learning process. Laboratory work has been integrated in all areas of Home Science Subjects.

5. Teaching Faculties in the department:

Sl.No.	Name	Designation	Qualification	Subject Specialization	Year of Experience
1.	Lalsangliani Khawlhing	Associate Professor	M.Sc Home Science	Home Management	34years
2.	Lalrinngheti Ralte	Associate Professor	M.A Home Science	Extension Education	32years
3.	Lalsangkimi Hmar	Associate Professor	M.sc Home Science	Child Development	31 years
4.	Lalthanpuui Ralte	Associate Professor	M. Sc Home Science & LL.B	Child Development	30 years
5.	Lalhmingliani Hlondo	Associate Professor	M. Sc Home Science	Child Development	29 years

6.	C. Lalramdina	Associate Professor	M. Sc Zoology	Developmental Biology	26 years
7.	C. Zazokimi	Associate Professor	M. Sc Zoology	Limnology	21 years
8.	Vanlallawmi	Associate Professor	M. Sc Home Science	Family Resource Management	21 years
9.	Lalrammawii	Associate Professor	M. Sc Home Science	Food and Nutrition	21 years
10.	Maria Lalhmingawii	Assistant Professor	M. Sc Home Science	Food and Nutrition	11 years
11.	Mimi Lalmuanawmi	Assistant Professor	M. Sc Home Science	Textiles and Clothing	7 Years
12.	Rebecca Lalnuntluangi	Assistant Professor	M. Sc Home Science	Textiles and Clothing	6 years

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor	-	-	-	-	-	-	-	-
Associate Professor	1	8	-	-	-	-	1	8
Assistant Professor	-	2	-	-	-	1	-	3
Lab Assistant	-	1	-	-	-	-	-	1
Lab Attendant	1	-	-	-	-	-	1	-

7. Details of the Courses Offered/Conducted by the department:

1 Semester :

Pre CBCS:

- 1) English-I
- 2) Introduction to Food and Nutrition – HSC/I/01
- 3) Extension Education –HSV/I/02
- 4) Chemistry – HSC/I/03

CBCS:

- 1) English -1
- 2) Introduction to Family Resource Management – HS/I/CC/01
- 3) Chemistry –HS/I/CC/03
- 4) Textiles – HS/I/CC/05

II Semester:

Pre-CBCS:

- 1) English –II
- 2) Textiles & Clothing- HSC/II/04
- 3) Extension Education & Communication- HSC/II/05
- 4) Biochemistry- HSC/II/06

CBCS :

- 1) English- II
- 2) Introduction to Nutrition-HS/II/CC/07
- 3) Biochemistry- HS/II/CC/09
- 4) Extension Education- HS/II/CC/11

III Semester :

Pre-CBCS:

- 1) History of Science
- 2) Family Resource Management-HSC/III/07
- 3) Textiles & Design-HSC/III/08
- 4) Physiology-HSC/III/09

CBCS:

- 1) History of Science
- 2) Extension Education & communication- HS/III/CC/13
- 3) Physiology- HS/III/CC/15
- 4) Household Equipments & Consumer Education- HS/III/CC/17

IV Semester:

Pre-CBCS:

- 1) Environmental Studies
- 2) Human Development (Childhood)- HSC/IV/10
- 3) Nutrition for the family- HSC/IV/11
- 4) Household Equipments & Consumer Economics HSC/IV/12

CBCS:

- 1) Environmental Studies
- 2) Human Development (Childhood)-HS/IV/CC/19
- 3) Clothing & Textiles- HSIV/CC/21
- 4) Nutrition for the Family-HS/IV/CC/23

V Semester:

Pre-CBCS:

- 1) Family & child welfare- HS/V/13
- 2) Early Childhood Education-HS/V/14
- 3) Garment Design-HS/V/15
- 4) Housing & Interior Designing-HSC/V/16

CBCS:

- 1) Family & Child Welfare-HS/V/CC/25
- 2) Early Childhood Education-HS/V/CC/27

- 3) Garment Design-HS/V/CC/29
- 4) Dietetics-HS/V/CC/31a
- 5) Food Processing & Preservation Technology-HS/V/CC/31b

VI Semester:

Pre-CBCS:

- 1) Child Psychology- HS/VI/17
- 2) Human Development- HS/V/18
- 3) Dietetics-HS/V/19
- 4) Community Development- Hs/VI/20

CBCS:

- 1) Child Psychology-HS/VI/CC/33
- 2) Human Development (Adolescence & Adulthood)-HS/VI/CC/35
- 3) Housing & Interior Space Management-HS/VI/CC/37
- 4) Community Development-HS/VI/CC/39a
- 5) Management and Practices of Extension Education- HS/VI/CC/39b

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1	I Semester	24	24	1	22	
2	II Semester	25	25		25	
3	III Semester	22	22		22	
4	IV Semester	10	10		9	
5	V Semester	9	9		9	
6	VI Semester	25	25		21	72.22%

9. Student - Teacher Ratio: 5:1

10. Annual Average Attendance Percentage of the Student: 84.5%

11. Study tour conducted under year of report:

- 1) Visit to Blind School, Durtlang on 9th October 2018
- 2) Visit to Old Age home, Aizawl on 23rd April 2019
- 3) Visit to Hermon Children's Home, Durtlang on 23rd April 2019
- 4) Visit to Aizawl Theological College, Leitan on 23rd April 2019

12. Awards / Recognitions received by faculty and students:

Vanlaldanhluii received special Pi Lalziki Sailo Proficiency award 2019 for being topper in Home Science in MZU for the year 2019.

13. Details of Faculty qualified for the Ph. D. degree under year of report: N/A
14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

SI NO	Name Of Faculty	Course/Title	Organised by	Duration/ Date	Funded by
1.	Lalsangliani Khawlhing	Motivational speech for Home Science students	Home Science department	3 rd July 2018	RUSA GZRSC
		Chief Examiners meeting	MZU	20 th November 2018	MZU
		State level Seminar on climate change; beat plastic pollution	Mizo Academy of Sciences and GZRSC	7 th Feb 2019	
		Poshan Pakhwada Food Fest 2019	State Project Management Unit, Social Welfare Dept, Govt of Mizoram	15 th March 2019	Social Welfare Dept, Govt of Mizoram
		5. Board of Undergraduate Studies in Home Science meeting.	Dean, School of Life Sciences, MZU	2 nd May 2019	MZU
2.	Lalrinngheti Ralte	Motivational speech for Home Science students	Home Science department	3 rd July 2018	RUSA GZRSC
		Career Guidance cum Preparation of Ginger squash	Village and School Adoption committee, GZRSC	31 st July 2018	RUSA GZRSC
		Hands on Training on Fabric Stencilling	Village & School Adoption Committee, GZRSC	31 st August, 2018	RUSA
		Visit to Hermon Children's Home, Durtlang	Home Science Department, GZRSC	23 rd April 2019	RUSA, GZRSC
		Workshop on Life Skills and Food Adulteration	Village and School Adoption committee, GZRSC	15 th May 2019	RUSA GZRSC

3.	Lalsangkimi Hmar	Motivational Speech for Home Science students	Home Science department	3 rd May 2018	RUSA GZRSC
		State level seminar on Climate change: Beat Plastic Pollution	Mizo Academy of Sciences & GZRSC	7 th Feb 2019	Dept of Environment , Forest and Climate Change, Govt of Mizoram
		Visit to Old Age Home, Aizawl	Home Science department, GZRSC	23 rd April 2019	RUSA GZRSC
		Visit to Hermon Children's Home and Aizawl Theological College, Durtlang	Home Science department, GZRSC	23 rd April 2019	RUSA GZRSC
		Meeting of Board of Undergraduate studies in Home Science	Dean, School of Life Sciences, MZU	2 nd May, 2019	MZU
		Personality Development programme 2019	Student Support Committee	20 th May 2019	RUSA GZRSC
4.	Lalthanpuii Ralte	Motivational speech for Home Science students	Home Science department	3 rd May 2018	RUSA
		Career Guidance cum preparation of Ginger squash	Village & School Adoption Committee GZRSC	31 st July 2018	RUSA
		Hands on Training on Fabric Stencilling	Village & School Adoption Committee, GZRSC	31 st August, 2018	RUSA
		State level seminar on Climate Change: Beat Plastic Pollution	Mizo Academy of Sciences & GZRSC	7 th Feb 2019	Dept of Environment , Forests & Climate change, Govt of Mizoram
		Poshan Pakhwada Food Fest 2019	State Project Management Unit, Poshan Abhiyaan	15 March 2019	Social Welfare Department, Govt of Mizoram

		Workshop on Life Skills and Food Adulteration	Village and School Adoption committee, GZRSC	15 th May 2019	RUSA GZRSC
		Personality Development programme 2019	Student Support Committee GZRSC	20 th May 2019	RUSA GZRSC
5.	Lalhmingliani Hlondo	Motivational Speech for Home Science students	Home Science department GZRSC	3 rd May 2018	RUSA GZRSC
		Visit to Blind School, Durtlang	Home Science Department GZRSC	9 th October 2018	RUSA GZRSC
		Poshan Pakhwada Food Fest 2019	State Project Management Unit, Social Welfare Dept, Govt of Mizoram	15 th March 2019	Social Welfare Dept, Govt of Mizoram
6.	C. Lalramdina	Motivational speech for Home Science students	Home Science department	3 rd May 2018	RUSA
		Workshop on UGC Regulation on minimum qualifications for appointment of Teachers and other Academic staff in Universities and colleges and other measures for the standards in Higher Education 2018	MCTA Headquarters	8 th August 2018	MCTA
		District Level Master's Trainer Training for ensuing Mizoram Assembly Election 2018	District Election Office Aizawl	5 th September 2018	Deputy Commissioner District Election Office, Aizawl
		District Level Master's Trainer Training for ensuing Mizoram Assembly Election 2018	District Election Office Aizawl	3Days- 1 st , 12 th & 26 th October 2018	Deputy Commissioner District Election Office, Aizawl

		District Level Training for General Elections Mizoram Assembly 2018	District Election Office	19-21 st November 2018	Deputy Commissioner District Election Office, Aizawl
		State level Seminar on Climate change: Beat Plastic Pollution	Mizo Academy of Sciences & GZRSC	7 th Feb 2019	Dep't of Environment , Forest and Climate Change, Govt of Mizoram
		District Level Training for Master's Trainers Training for Lok Sabha Elections 2019	District Election Office	15 th ,19 th . 20 th March 2019	Deputy Commissioner District Election Office, Aizawl
		Board of Undergraduate studies in Home Science meeting	Dean, School of Life Sciences, MZU	2 nd May,2019	MZU
7.	Lalrammawii	Motivational speech for Home Science students	Home Science department	3 rd July 2018	RUSA GZRSC
		Board of Undergraduate Studies in Home Science meeting.	Dean, School of Life Sciences, MZU	2 nd May 2019	MZU
8.	Vanlallawmi	Motivational speech for Home Science students	Home Science department	3 rd July 2018	RUSA GZRSC
		Poshan Pakhwada Food Fest 2019	State Project Management Unit, Social Welfare Dept, Govt of Mizoram	15 th March 2019	Social Welfare Dept, Govt of Mizoram
		Resource person Flower Arrangement Demonstration	Home Science Department, GZRSC	16 th April 2019	college
		Resource person Workshop on Life Skills and Food Adulteration	Village and School Adoption committee,	15 th May 2019	RUSA GZRSC

			GZRSC		
9.	C. Zarzokimi	Motivational speech for Home Science students	Home Science department, GZRSC	3 rd July 2018	RUSA GZRSC
		State level seminar on Climate change: Beat Plastic Pollution	Mizo Academy of Sciences & GZRSC	7 th Feb 2019	Dep't of Environment , Forest and Climate Change, Govt of Mizoram
10.	Mimi Lalmuanawmi	Motivational speech for Home Science students	Home Science department, GZRSC	3 rd July 2018	RUSA GZRSC
		Hands on Training on Fabric Stencilling	Village & School Adoption Committee, GZRSC	31 st August, 2018	RUSA GZRSC
		District Level Master's Trainer Training for ensuing Mizoram Assembly	District Election Office Aizawl	5 th September 2018	Deputy Commissioner District Election Office, Aizawl
		District Level Master's Trainer Training for ensuing Mizoram Assembly 2018	District Election Office Aizawl	3Days- 1 st ,12 th & 26 th October2018	Deputy Commissioner District Election Office, Aizawl
		District Level Training for General Elections Mizoram Assembly 2018	District Election Office	19-21 st November 2018	Deputy Commissioner District Election Office, Aizawl
		State level seminar on Climate change: Beat Plastic Pollution	Mizo Academy of Sciences &GZRSC	7 th Feb 2019	Dep't of Environment , Forest and Climate Change, Govt of Mizoram

11.	Maria Lalhmingmawii	Motivational speech for Home Science students	Home Science department, GZRSC	3 rd July 2018	RUSA GZRSC
		24 th Orientation course	National Resource Centre, MZU	28 th June-25 th July 2018	UGC
		Paper presentation on “Food processing Industry in N.E. Region” in National on “Development of North East India: Problems, Prospects & Challenges”	MZU	16 th July 2018	UGC
		Faculty Induction Programme	Faculty Development Centre MZU	4 th Feb-6 th March 2019	MZU
12.	Rebecca Lalnuntluangi	Motivational speech for Home Science students	Home Science department, GZRSC	3 rd July 2018	
		Hands on Training on Fabric Stencilling	Village & School Adoption Committee, GZRSC	31 st August, 2018	

15. Details of conference/Seminar organized by the department:

Sl. No	Topic	Funded by	Collaborations
1	Motivational Speech for Home Science Students	RUSA, GZRSC	

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

17. Recognized Research Centre /facility:

18. Number of Faculty as members in

a) University: 8

b) State:

c) Regional:

d) National committees: 1

e) International Committees:

f) Editorial Board: 1

19. Details of Publications of Faculty: N/A

20. Participation of the department in the courses offered by other departments:

21. Courses in collaboration with other universities, industries, foreign institutions, etc:

22. Extension activities by the department:

- 1) 3rd Semester Students of Home Science visited selected families to teach the importance of Vitamin A as a Nutrient on 3rd July 2018.
- 2) Faculty members of Home Science dep't participated in social work at the new College campus, Durtlang on 31st August 2018
- 3) Students of Home Science participated in Poshan Rally organized by Directorate of Social Welfare, Govt. of India on 24th September 2018.
- 4) When visiting Old Age Home, Aizawl and Hermon Children's Home, the students collected some amount of money to buy Sweets and snacks to distribute to the inmates on 23rd April 2019.

23. Library facilities: (Numbers only)

a. **Textbooks and Reference Books:** 2250 nos

b. **Journals:** 5 nos

c. **E-Books and E Journals:** N/A

d. **Any other:**

24. Any other relevant information:

I ANNUAL DEPARTMENT REPORT FOR MATHEMATICS DEPARTMENT**1. Name of department:** MATHEMATICS**2. Year of establishment:** 2000**3. Name of the Head of Department:** LEISHANGTHEM BUDHA SINGH**Phone No (Official):** 9862373643**Email:** lbudhasingh@gmail.com**4. Brief Introduction of the Department:**

- 1) The Department of Mathematics was established in the year 2000 in GZRSC.
- 2) Mathematics subject has been offered as a Core subject since its introduction.
- 3) The number of teachers at the time of establishment was four (4), viz. Dr. P.C. Pandey, Dr. Urmila Pandey, Mr. L.B. Singh and Mrs. Parijat Kumar.
- 4) Miss R. Lalawmpuii joined as a part-time teacher in 2007 and continued her service as such till 2012. She joined as a contract teacher in 2015 and was eventually given appointment as regular teacher in 2018.
- 5) Mr. Lalhengahzuala joined as a part-time teacher in 2012 and was then engaged as a contract teacher in 2017. Thereafter he joined as a contract teacher in 2017.
- 6) Some of the recent achievements made and the awards received by faculty members and students are:
 - a) Dr. R. Lalawmpuii, Assistant professor got a Ph. D degree in 2014.
 - b) Dr. Lalhengahzuala, Assistant professor got a Ph. D degree in 2015.
 - c) Zathuama got 1st position in the University Examination 2013.
 - d) Rita Kumari Katwal got 3rd position in the University Examination 2014.
 - e) V. L. Muankimi Hrahsel got 2nd position in University Examination 2014.
 - f) Sudha got 6th position in the University Examination 2014.
 - g) F. Lalramluahpuia got 8th position in the University Examination 2014.
 - h) Zothangpuia got 10th position in the University Examination 2014.
 - i) Mohan Kumari Katwal got 5th position in the University Examination 2015.
 - j) T. Zothansanga got 6th position in the University Examination 2015.

5. Teaching Faculties in the department:

Sl. No	Name	Designation	Qualification	Subject Specialization	Year of Experience
1.	LEISHANGTHEM BUDHA SINGH	Associate Professor	M.Sc	Magneto Hydro Dynamics & Plasma Physics	22 years
2.	PARIJAT KUMAR	Associate Professor	M.Sc	Real Analysis, Algebra	22 years
3.	Dr R. LALAWMPUII	Assistant Professor	Ph.D	Mathematical Modelling	12 years
4.	Dr.	Assistant	Ph.D	Dynimcal system	8 years

	LALHMANGA IHZUALA	Professor (Contract)			
5.	C. LALNGAIHA WMA	Assistant Professor (Contract)	M.Sc	Calculus, Differential Equations	3 years

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor								
Associate Professor	1	1					1	1
Assistant Professor		1	2				1	2
Lab Assistant								
Lab Attendant								

7. Details of the Courses conducted by the department:

SEMESTER	COURSE/PAPER No	PAPER NAME	CREDIT
I Semester	MATH/1/CC/111	Calculus	6
II Semester	MATH/2/CC/121	Algebra	6
III Semester	MATH/3/CC/231	Differential Calculus	6
IV Semester	MATH/4/CC/241	Vector Calculus & Solid Geometry	6
V Semester	MATH/5/CC/351	Computer Oriented Numerical Analysis	6
	MATH/5/CC/352	Real Analysis	6
	MATH/5/CC/353	Complex Analysis	6
	MATH/5/CC/ B	Probability Theory	6
VI Semester	MATH/6/CC/361	Modern Algebra	6
	MATH/6/CC/362	Advanced Calculus	6
	MATH/6/CC/363	Mechanics	6
	MATH/6/CC/364 C	Computer Programming in C (Theory)	4
	MATH/6/CC/364 CP	Computer Programming in C (Practical)	2

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1	I Semester		71			64%
2	II Semester		63			51%
3	III Semester		43			51%
4	IV Semester		40			52.5%
5	V Semester		18	14	4	72%
6	VI Semester		18	14	4	44.44%

9. Student - Teacher Ratio:

10. Annual Average Attendance Percentage of the Student:

11. Study tour conducted under year of report: N. A.
12. Awards / Recognitions received by faculty and students: NIL
13. Details of Faculty qualified for the Ph. D. degree under year of report: NIL
14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No.	Name of Faculty	Course/Title	Organized by	Duration /Date	Funded by
1.	LEISHANG THEM BUDHA SINGH	Research Motivation	Research and Seminar Committee, GZRSC	One day (24 th August, 2018)	RUSA
		Climate change: Beat Plastic Pollution	MAS & GZRSC	One day (7 th February, 2018)	Department of Environment , Forest and Climate Change, Govt of Mizoram
2.	Dr R. LALAWMP UII	Faculty Induction Programme	Faculty Development Centre, MZU	30 days (4 th February-6 th March, 2019)	UGC
3.	Dr. LALHMAN GAIHZUAL A	Give a lecture on “Workshop on Complex Analysis”	Department of Mathematics (PUC)	2 days (15 th -16 th October, 2018)	
		Climate change: Beat Plastic Pollution	MAS & GZRSC	One day (7 th February, 2018)	Department of Environment , Forest and Climate Change, Govt of Mizoram
		Orientation Programme	Human Resource Development Centre, MZU	30 days (12 th march – 8 th April, 2019)	UGC
4.	C. LALNGAIH AWMA	Awareness Campaign on Drug Abuse, Social Media, Cyber Crime And Human Trafficking	Research and Seminar Committee, GZRSC and CID (Crime), Mizoram	One day (24 th July, 2018)	RUSA
		Research	Research and	One day	RUSA

		Motivation	Seminar Committee, GZRSC	(24 th August, 2018)	
		Climate change: Beat Plastic Pollution	MAS & GZRSC	One day (7 th February, 2018)	Department of Environment, Forest and Climate Change, Govt of Mizoram

15. Details of conference/Seminar organized by the department:

Sl. No.	Topic	Funded by	Collaborations
1.	Outreach programme	ISI, Tezpur	ISI, NE Centre, Tezpur

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

17. Recognized Research Centre /facility: Nil

18. Number of Faculty as members in

a) **University:** LEISHANGTHEM BUDHA SINGH, member in BOS.

b) **State:** Nil

c) **Regional:** Nil

d) **National committees:** Nil

e) **International Committees:** Nil

f) **Editorial Board:** Nil

19. Details of Publications of Faculty: Nil

Sl. No	Name of Faculty	Title of the Paper	Date of Publication	Published by	ISSN No

20. Participation of the department in the courses offered by other departments: Nil

21. Courses in collaboration with other universities, industries, foreign institutions, etc: Nil

22. Extension activities by the department:

23. Library facilities: (Numbers only)

a. **Textbooks and Reference Books:**

b. **Journals:**

c. **E-Books and E Journals:**

d. **Any other:**

24. Any other relevant information:

Three of our fifth year students have attended *Winter school on Mathematics for College students of the NE Region* held at the Indian Statistical Institute, NE Centre, Tezpur, during January 15-19, 2019.

J ANNUAL DEPARTMENT REPORT FOR PHYSICS DEPARTMENT**1. Name of department:** PHYSICS**2. Year of establishment:** 2000**3. Name of the Head of Department:** MOIRANGTHEM INGOCHA SINGH**Phone No (Official):** +91 8794265312**Email:** misingh@gzrsc.edu.in**4. Brief Introduction of the Department:**

Department of Physics was started in the year 2000 and currently there are five Associate Professors and no temporary faculty. The contribution of motivated and well qualified teaching faculty generated a number of successful students, who are now working in various public and private sectors. The department consistently produces students who are qualified in admission entrance of reputed institutions all over the country. In addition to active classroom teachings, the faculty members are actively involved in research work. Three teachers have PhD degree while one teacher is actively pursuing his research work. Presently there is one BRNS sponsored project in the department and one student is pursuing PhD under the guidance of one of the faculty members of the department.

The department received an average of about 100 applications for admission to BSc in Physics in the first semester. However, the ideal capacity with existing facilities like Classroom and Laboratory is much less than the total number of the applicant. Still the number of students in the first semester exceeds the intake capacity of the department due to high demand from the public. It is our wish and hope that we can admit more number of students once we move to the new college campus at Durtlang.

5. Teaching Faculties in the department:

Sl No	Name	Designation	Qualification	Subject Specialization	Teaching Experience
1.	Moirangthem Ingocha Singh	Associate Professor	MSc (Physics)	Electronics	28 years
2.	Dr. Arup Kumar	Associate Professor	MSc (Physics), Ph.D	Astrophysics	28 years
3.	Dr. Rosangliana	Associate Professor	MSc (Physics), Ph.D	Theoretical Nuclear and Condense Matter Physics	23 years(UG) 2.5years (PG)
4.	Dr. Lawrence Zonunmawia Chhangte	Associate Professor	MSc (Physics), Ph.D	Solid State Physics	21 year (UG) 1 Sem (PG)
5.	Remlalsiama	Associate Professor	MSc (Physics) PhD (on going)	High Energy Physics	21 year

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor	0	0	0	0	0	0	0	0
Associate Professor	5	0	0	0	0	0	5	0
Assistant Professor	0	0	0	0	0	0	0	0
Lab Assistant	0	0	0	0	0	0	0	0
Lab Attendant	0	0	0	1	0	0	0	1

7. Details of the Courses conducted by the department:

Semester	Course No.	Name of Paper	Credit
1 st	PHY/I/EC/01	Properties of Matter, Oscillation and Acoustics	4
	PHY/I/EC/02	Laboratory – I	2
2 nd	PHY/II/EC/03	Thermodynamics & Mathematical Physics – I	4
	PHY/II/EC/04	Laboratory-II	2
3 rd	PHY/III/EC/05	Electromagnetism & Optics	4
	PHY/III/EC/06	Laboratory – III	2
4 th	PHY/IV/EC/07	Atomic, Nuclear Physics - I and Solid State Physics – I	4
	PHY/IV/EC/08	Laboratory – IV	2
5 th	PHY/V/CC/09	Mathematical Physics – II	4
	PHY/V/CC/10	Electronics – I	4
	PHY/V/CC/11	Classical Mechanics and Nuclear Phys – II	4
	PHY/V/CC/12	Laboratory – V	2
	PHY/V/CC/13	Laboratory – VI	2
	PHY/V/CC/14	Laboratory – VII	2
	EL/V/CC/15(a) EL/V/CC/15(b)	Optional I (any one) Atomic and Molecular Spectroscopy C Language and Numerical Methods	4
	PHY/V/CC/16	Laboratory – VIII	2
6 th	PHY/V/CC/17	Quantum Mechanics	4
	PHY/V/CC/18	Electromagnetic Theory	4
	PHY/V/CC/19	Thermal and Statistical Physics	4
	PHY/V/CC/20	Laboratory – IX	2
	PHY/V/CC/21	Laboratory – X	2
	PHY/V/CC/22	Laboratory – XI	2
	PHY/V/CC/23(a) PHY/V/CC/23(b)	Optional II (any one) Solid State Physics – II Electronics – II	4
	PHY/V/CC/24	Laboratory – XII/Project	2
			72

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1	I Semester	70	70	48	22	30
2	II Semester	63	63	42	21	66.66
3	III Semester	43	43	22	21	58
4	IV Semester	40	40	21	19	65
5	V Semester	12	12	12	0	50
6	VI Semester	11	11	11	0	90.90

9. Student - Teacher Ratio : 14:1

10. Annual Average Attendance Percentage of the Student: 82.46%

11. Study Tour conducted under year of report: One (1)

12. Awards / Recognitions received by faculty and students: Nil

13. Details of Faculty qualified for the Ph.D degree under year of report:

a) Name : Lawrence Zonunmawia Chhangte

b) Effective date of qualification : 28th June 2019.

c) Thesis Title : Analysis of Radon and thoron in dwellings with special references to Saiha and Lawngtlai districts of Mizoram.

d) Supervisor : Prof. Zaithanzauva Pachuau.

e) Joint Supervisor : Prof. B Zoliana.

14. Paper presented / chaired sessions / attended in seminars / conferences / workshops/symposium; invited Lectures given / attended by teaching faculty in refresher course / Orientation course / others:

Sl. No	Name of Faculty	Course/Title	Organised by	Duration /Date	Funded by
1.	Dr. Rosangliana	Attend 2 nd Mizoram Science Congress and present four Oral Presentations .	Mizoram Science Congress	2 Days 4 th -5 th October 2018	NEC, DST (SERB) & MISTIC.
2.	Dr. Lawrence Zonunmawia Chhangte	Resource Person in Seminar on 'Research Motivation' at Govt. Zirtiri Residential Science College.	Research & Seminar Committee, GZRSC	1 Day 24 th Aug, 2018	RUSA
		Attended 9 th International Conference on High Level Environmental Radiation Areas – For Understanding Chronic Low-Dose-Rate Radiation Exposure Health Effects and Social Impacts (ICHLERA-2018) present Oral	Hirosaki University, Aomori, Japan.	4 Days 24 th -27 th September 2018	Hirosaki University, Aomori, Japan.

		Presentation on ‘Determination of radon mass exhalation rate in the region of highest lung cancer incidence in India’			
		Attended 2 nd <i>Mizoram Science Congress</i> and present Oral Presentation on ‘Measurement of primordial radionuclides in soil and building materials from Mizoram India’	Mizoram Science Congress	2 Days 4 th -5 th October 2018	NEC, DST (SERB) & MISTIC.
		Attended 12 th <i>Annual Convention of Association of Biotechnology and Pharmacy (ABAP) & International Conference on Biodiversity, Environmental and Human Health: Innovations and Emerging Trends (BEHIET 2018)</i> and present Oral Presentation on ‘Annual Inhalation Dose of Indoor radon and thoron in Mizoram India’	School of Life Sciences, Mizoram University and ABAP, India.	3 Days 12 th – 14 th November 2018	Mizoram University
		Attended <i>International Conference on Chemistry & Environmental Sustainability (ICCES-2019)</i> and present Oral Presentation on ‘Study of Indoor Radon and Thoron Concentration in Different Construction Types of Dwellings in Mizoram, India’	Department of Chemistry, Mizoram University	4 Days 19 th – 22 th February 2019	Mizoram University
		Take part in <i>General Election to Member of Legislative Assembly</i> as Presiding Officer in the Aizawl East II (ST) at Sarong Veng II Polling Station.	Office of The Deputy Commissioner/ District Election Officer	1 day 28/11/2018	Govt. of Mizoram
		Take part in <i>General Election to Lok Sabha 2019/Bye Election</i> as Counting Supervisor at Govt. Aizawl College.	Office of The Deputy Commissioner/ District Election Officer	1 Day 23.5.2019	Govt. of Mizoram

15. Details of conference/Seminar organized by the department: Nil

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: Nil

17. Recognised Research Centre / facility: Environmental Radiation Monitoring Research Laboratory.

18. Number of Faculty as members in:

- a) **University** : 3
- b) **State** : 2
- c) **Regional** : 2
- d) **National committees** : 2
- e) **International Committees** : Nil
- f) **Editorial Board** : Nil

19. Details of Publications of Faculty:

Sl. No	Name of Faculty	Title of the Paper	Published by	ISSN/ISBN No
1.	Dr. Rosangliana	Measurement of primordial radionuclides in soils and building material from Mizoram, India.	ATLANTIS PRESS	ISBN: 978-94-6252-638-9
		Assessment of radon content in water using SMART RnDuo in Mizoram, Northeast India.	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		Measurement of radon exhalation from soil samples in various fault regions of Aizawl district, Mizoram, India.	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		Measurement of natural radioactivity using NaI (TI) detector in soil samples collected from Aizawl, Mizoram, India.	ATLANTIS PRESS	ISBN:978-94-6252-638-9
2.	Dr. Lawrence Zonunmawia Chhange	Measurement of promordial radionuclides in soil and building materials from Mizoram, India.	ATLANTIS PRESS	ISBN: 978-94-6252-638-9
		Assessment of radon content in water using SMART RnDuo in Mizoram, Northeast India.	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		Measurement of radon exhalation from soil samples in various fault regions of Aizawl district, Mizoram, India.	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		Measurement of natural radioactivity using NaI (TI) detector in soil samples collected from Aizawl, Mizoram, India.	ATLANTIS PRESS	ISBN:978-94-6252-638-9
3.	Remlalsiama	Assessment of radon content in water using SMART RnDuo in Mizoram, Northeast India.	ATLANTIS PRESS	ISBN:978-94-6252-638-9
		Measurement of natural radioactivity using NaI (TI) detector in soil samples collected from Aizawl, Mizoram, India	ATLANTIS PRESS	ISBN:978-94-6252-638-9

20. Participation of the department in the courses offered by other departments: Nil

21. Courses in collaboration with other universities, industries, foreign institutions, etc: Nil

22. Extension activities by the department:

Study trip/ Outreach program: Study Tour (Educational Tour) was organized successfully at Mumbai during 22nd January - 4th February, 2019. The students were selected from I, II and V Semester of Physical Sciences group. The tour was guided by Dr. Ricky Lalhmangaihzualla & Dr. PC. Rohmingliana. The main purpose of this tour is an Educational and they successfully visited

(a) Indian Institute of Technology (IIT) Bombay.

(b) Nehru Science Centre, Mumbai.

The students were quite inspired and it augmented new and positive perspectives of life and the visit will be beneficial in the pursuing of their careers in the future.

23. Library facilities: (Numbers only):

(a) **Textbooks and Reference Books** : 183

(b) **Journals** : Nil

(c) **E-Books and E Journals** : Nil

(d) **Any other** : Nil

24. Any other relevant information: Nil

25. Any other report:

New equipments/ instruments purchased during the period of report: The following Practical Equipment/Instruments were purchased from RUSA Funding under the Purchased Expenditure Head.

Sl. No	Name of Instrument	Model	Quantity
1	Young's Modulus Apparatus	PISCO	5 Sets
2	Viscosity Apparatus		5 Sets
3	Travelling Microscope with three motions		5 Sets
4	Surface tension of a liquid Apparatus		5 Sets
5	Electric Vibrator		5 Nos
6	Linear Extension Apparatus		5 Sets
7	Newton's Law of Cooling Apparatus		5 Sets
8	Constant Volume Air Thermometer		5 Sets
9	Deflection Magnetometer		5 Sets
10	Vibration Magnetometer		5 Sets
11	Dip Circle		5 Nos
12	Optical Bench Two Bar Type		4 Nos

13	Convex Lenses of 3 different Focal length		5 each
14	Post Office Box (manganin Coil)		5 Nos
15	Resistance Box Manganin Coil		6 Nos
16	Tangent Galvanometer		5 Nos
17	Copper Voltmeter		5 Nos
18	Reversing Key (4plug type)		5 Nos
19	Battery Eliminator		5 Nos
20	Pointer Galvanometer		5 Nos
21	Kirchoff Law Apparatus (Analog)		5 Nos
22	Ohm Law Apparatus (Analog)		5 Nos
23	Vernier Calliper		5 Nos
24	Meter Scale		5 Nos
25	Reading Telescope (Deluxe)		5 Nos
26	Lens Holder		8 Nos
27	Screw Gauge		4 Nos
28	Resistance Coil		5 Coils
29	Electronic Balance (Digital)		1 No
30	Spirit Level 2"		10 Nos
31	Digital Multimeter (MASRECH)		10 Nos

K ANNUAL DEPARTMENT REPORT FOR ZOOLOGY DEPARTMENT

1. **Name of department:** ZOOLOGY

2. **Year of establishment:** 2000

3. **Name of the Head of Department:** Caroline Zaihmingthangi

Phone No (Official): 9089932798

Email: czaitei@gmail.com

4. Brief Introduction of the Department:

The Department of Zoology has been established in 2000. At present the department comprises of 5 regular Associate Professors and one attached Associate Professor. Zoology deals with topics right from the microscopic living beings (Viruses, bacteria protozoa) to multicellular organism up to mammals (Dinosaurs and human beings. As the study of Zoology is interesting and captivating it attracts students immensely. As per UGC guidelines syllabus (adopted MZU) introduced recent trends and advanced topic from Bioinformatics, Biotechnology, Molecular Biology, Environment etc. and provides insight into how "life" works, and, consequently, how we work.

5. Teaching Faculties in the department:

Sl.No	Name	Designation	Qualification	Subject Specialization	Year of Experience
1.	Caroline Zaihmingthangi	Associate Professor	M.Sc	Cytogenetics	28
2.	Dr. Lalzahawmi Chenkual	Associate Professor	M.Sc, Ph.D	Cytogenetics	25
3.	S. Thangrimawii	Associate Professor	M.Sc	Entomology	24
4.	H. Lalnunsangi	Associate Professor	M.Sc	Parasitology	23
5.	Lalrinmawia	Associate Professor	M.Sc, DCA	Parasitic Helminthology	21
6.	Sailopuii	Associate Professor	M.Sc	Entomology	20

6. Number of Teaching and Non-Teaching Staff in the Department:

Designation	Regular		Contract		Part Time		Total	
	M	F	M	F	M	F	M	F
Professor								
Associate Professor	1	5					1	5
Assistant Professor								
Lab Assistant								
Lab Attendant		1						1

7. Details of the Courses conducted by the department:

CBCS Zoology Syllabus

Semester	Course No	Course name	Category	Credit	CA	ESE	Total
I	ZL I	Biosystematics and Non-chordate Biology	EC	4	25	75	100
	ZL II	Practical	EC	2	25	75	100
II	ZL III	Chordate Biology and Anatomy	EC	4	25	75	100
	ZL IV	Practical	EC	2	25	75	100
III	ZL V	Evolution and Ethology	EC	4	25	75	100
	ZL VI	Practical	EC	2	25	75	100
IV	ZL VII	Endocrinology and Reproduction Biology	EC	4	25	75	100
	ZL VIII	Practical	EC	2	25	75	100
V	ZL IX	Cell Biology	CC	4	25	75	100
	ZL X	Practical	CC	2	25	75	100
	ZL XI	Physiology	CC	4	25	75	100
	ZL XII	Practical	CC	2	25	75	100
	ZL XIII	Biochemistry	CC	4	25	75	100
	ZL XIV	Practical	CC	2	25	75	100
	ZL XV A*	Applied Zoology	CC	4	25	75	100
	ZL XVI A*	Practical	CC	2	25	75	100
	ZL XV B*	Entomology	CC	4	25	75	100
	ZL XVI B*	Practical	CC	2	25	75	100
	ZL XVII	Molecular Biology and Genetics	CC	4	25	75	100
	ZL XVIII	Practical	CC	2	25	75	100
VI	ZL XIX	Developmental Biology	CC	4	25	75	100
	ZL XX	Practical	CC	2	25	75	100
	ZL XXI	Parasitology and Immunology	CC	4	25	75	100
	ZL XXII	Practical	CC	2	25	75	100
	ZL XXIII A*	Biotechnology and Bioinformatics	CC	4	25	75	100
	ZL XXIV A*	Practical	CC	2	25	75	100
	ZL XXIII B*	Ecology and Wildlife	CC	4	25	75	100
	ZL XXIV B*	Practical	CC	2	25	75	100

* to be offered as optional, either A or B

8. Students Particulars:

Sl.No	Semester	Applications received 2018-19	Selected 2018-19	Enrolled		Pass percentage
				M	F	
1	I Semester	250	130	57	73	NA
2	II Semester	106	106	55	51	83.9 %
3	III Semester	106	106	47	59	NA
4	IV Semester	86	86	37	49	100 %
5	V Semester	43	43	22	21	NA
6	VI Semester	31	31	18	13	100%

9. Student - Teacher Ratio : 1:43

10. Annual Average Attendance Percentage of the Student : < 77 %

11. Study tour conducted under year of report : 1

12. Awards / Recognitions received by faculty and students :

13. Details of Faculty qualified for the Ph.D degree under year of report:

14. Paper presented/chaired sessions/ attended in seminars/ conferences/ workshops/symposium; invited Lectures given/attended by teaching faculty in refresher course/ Orientation course/others:

Sl. No	Name of Faculty	Course/Title	Organized by	Duration /Date	Funded by
1.	Caroline Zaihmingthangi	Participated in College Level Exhibition organized by innovation Club, GZRSC	State DBT- Biotech Hub, MZU and Institutional Biotech Hub, GZRSC	15-16 September, 2018 at Auditorium GZRSC	RUSA, GZRSC
		Member, Board of Studies (Zoology) MZU	MZU		
		Chief Examiner: in Zoology Central Evaluation, MZU	Controller of Examination , MZU	16th Oct, 2018	Controller of Examination , MZU
2.	Dr. Lalzahawmi Chenkual	Oral presenter on International Conference on Chemistry and Environmental sustainability	Department of Chemistry, MZU	19-22 February, 2019	
		Oral Presenter : International Conference on Biodiversity, Environment and human health: Innovation and	Association of Biotechnology and Pharmacy(ABA P) & Mizoram	12- 14th November, 2018 Auditorium MZU	ME of Govt. of India, NABARD, etc

	emerging Trends	University (MZU)		
	Organizing Member : Soft Skill and Career readiness Programme	Student Support Committee, GZRSC and Avenues Shillong	17 July, 2018	RUSA-GZRSC
	Organizing chairman: Awareness campaign on Drug Abuse, Social media/cyber-crime and Human trafficking	Research and Seminar committee, GZRSC and CID (Crime), Mizoram, Aizawl	24 th , July, 2018	RUSA, GZRSC
	Organizing Chairman: Research Motivation	Research and Seminar Committee, GZRSC	24 th August, 2019	RUSA, GZRSC
	Organizing Member: Personality Development Programme, 2019	Students Support Committee	16- 22 May, 2019	RUSA, GZRSC
	Participant: XXXI Inter-Departmental Sports 2018	Department of Higher and Technical Education	31 st July – 3 rd August, 2018	Sports Committee for XXXI Inter-departmental sports 2018
	Paper Examiner: in Zoology Central Evaluation, MZU	Controller of Examination , MZU	3 rd to 11 th December, 2018 and May-June, 2019	Controller of Examination , MZU
	Participant: Outreach Programme	Indian Statistical Institute North-East Centre, Tezpur and Department of Mathematics, GZRSC	31 st Jan. 2019	
	Counting Supervisor	General Election to Lok Sabha 2019	23.5.2019	
	Counting Supervisor	MLA Election, 2018	11.12.2018	
	Participant: National Science Day 2019	Science for the People and the people for	29.3.2019	MISTIC and Mizoram Science

			Science		Society
		Participant: State level Seminar on Climate change. Beat Plastic Pollution	Academy of Sciences and GZRSC	7.2.2019	Department of Environment, Forests and Climate Change.
		Organizing Chairman Hands on training on Molecular Research technique		31 st May, 2019 to 6 th June, 2019	DBT- Institutional Biotech Hub, GZRSC & State DBT- Biotech Hub MZU
		Central Evaluation for UG Exam	MZU	24 th to 31 ST Oct, 2018	MZU
4.	H. Lalnunsangi	Participant : State Level Seminar on Climate Change “Beat Plastic Pollution”	Academy of sciences and GZRSC	7 th February, 2019	Department of Environment , Forests and Climate Change
		Participant: Financial Management and Digital Teaching Methods for College Teachers	Website Committee, GZRSC & RUSA –GZRSC	5 th -12 th April, 2017	RUSA GZRSC
		Central Evaluation for UG Exam	MZU	5 th to 13 th Dec 2017	MZU
5.	Lalrinmawia	Paper Present : International Conference on Biodiversity, Environment and human health: Innovation and emerging Trends	Association of Biotechnology and Pharmacy(ABA P) & Mizoram University (MZU)	12- 14th November, 2018 Auditorium MZU	ME of Govt. of India, NABARD, etc
		Paper Present : Oral presenter on in State Level Seminar on Climate Change “Beat Plastic Pollution” Its effects on Animals”	Department of Botany, Mizoram University	7/2/2019 Multipurpose Hall, GZRSC	Environment, Forest and Climate Change, Govt of Mizoram
		Participants: Awareness Campaign on Drugs Abuse, Social Media/Cyber Crime and Human Trafficking	CID Crime Mizoram & Research & Seminar Committee, GZRSC	24 th July, 2018 Auditorium GZRSC	RUSA, GZRSC
		Participated in Workshop on	MISTIC, DST, Govt of	4 th March 2019 at	DST

		Assessment of Vulnerability due to climate Change in Indian Himalayan Region with respect to Mizoram	Mizoram	Secretariat Conference Hall, New Secretariat Complex, Aizawl		
		Participated in College Level Exhibition organized by innovation Club, GZRSC	State Biotech Institutional Biotech GZRSC	DBT-Hub, MZU and Institutional Biotech Hub, GZRSC	15-16 September, 2018 at Auditorium GZRSC	RUSA, GZRSC
6	Sailopuii	Organizing Member: Awareness Campaign on Drugs Abuse, Social Media/Cyber Crime and Human Trafficking	CID Crime Mizoram & Research & Seminar Committee, GZRSC	24 th July, 2018 Auditorium GZRSC	RUSA, GZRSC	
		Organizing member: Seminar on Research Motivation	Research and Seminar Committee, GZRSC	24 th August 2019	Research and Seminar Committee, GZRSC	
		Organizing Member Celebration of National Science Day 2018S	Innovation Club & Institutional Biotech Hub, GZRSC	28 Feb, 2018 Auditorium GZRSC	NCSTC, DST, New Delhi	

15. Details of conference/Seminar organized by the department:

Sl.No	Topic	Funded by	Collaborations
1			

16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

17. Recognized Research Centre /facility:

18. Number of Faculty as members in

- a) University : 3
- b) State : 2
- c) Regional :
- d) National committees :
- e) International Committees :
- f) Editorial Board :

19. Details of Publications of Faculty:

Sl. No	Name of Faculty	Title of the Paper	Date of Publication	Published by	ISSN No
1.	Lalrinmawia	Faunal Diversity of insect pests associated with <i>Tectonagrandis</i> Linn.F) in Aizawl District, Mizoram Bioecology of <i>Hyblaea Puera</i> (Cramer) in Aizawl District Mizoram	19 th NOVEMBER, 2018	BEHIET 2018	
2.	Dr. Lalzahawmi Chenkual	Evaluation of status of ecosystem of Tamdil lake, Aizawl district, Mizoram by assessment of physico-chemical parameters of water and management strategies.			
		Seasonal variation of Physico-chemical properties and ecological impact			

20. Participation of the department in the courses offered by other departments:

21. Courses in collaboration with other universities, industries, foreign institutions, etc:

22. Extension activities by the department:

Students field Trip Programme Important place visited:

1. Lengpui Fish Pond, Department of Fisheries, Govt of Mizoram
2. Central Sericulture Center, Zemabawk North

23. Library facilities: (Numbers only)

- a. Textbooks and Reference Books** : 625
- b. Journals** : 2
- c. E-Books and E Journals** :
- d. Any other** :

24. Any other relevant information:

Future Plan of the Department

1. Introduce PG course
2. To subscribe E- Journal for National and International
3. Arrangements will be made to provide self-employment training to the students of the Department in collaborations with Government Agencies, NGO, Companies.
4. Arrangements will be made to start Research Lab in the Department of Zoology.
5. Department will be organizing a National Level Seminar and Conference

2. DEPARTMENTAL REPORT ODD SEMESTER (JULY- DEC2018)

Sl. No.	Department	Resolutions in brief	Classes taken			Any Teacher attended Seminar/meetings, etc.	Departmental activities
			1 Sem	3 sem	5 sem		
1	CHEMISTRY	1. Routine preparation 2. Class teachers appointment 3. Distribution of mentees for Miss Thanpuii, etc. 4. Topic distribution 5. Remedial class for 1 Sem repeaters 6. Annual report 7. Internal exam question setting 8. Course covered review 9. 2nd internal exam duty routine	130	125	161	1. 3 Teachers set Qs papers 2.1 teacher re-evaluate papers 3. 2 Teachers attended Research Motivation seminar 4. 1 Teacher evaluated Children sc Congress competition	Remedial class organised for 1 sem
2	HOME SCIENCE	1. Formulation of History of Home Science 2. Contribution of teachers for natural calamity 3. Invitation of outsider for motivationa 4. Lab& Library requirements 5. Mentor-mentees meet 6. Parent-Teachers meet Prog.speech 7. Condolence service date 8. Disciplinary action regarding use of mobile phone 9. Meeting of MPSC chairman 10. Intensive routine revision 11. Analysis of students' attendance 12. Visit of all home sc. Classes	98	111	98	1. Teacher attended OC. 2.1 teacher participated in national seminar 3. Teachers appointed as paper setters 4. 2 teachers participated in School adoption prog. 5. 2 Teachers attended training for election 4. Teachers prepared their mentoring reports 5. 1 teacher attend RC 6. 8 teachers set Univ Qs papers 7. All Teachers performed the invigilation duties.	1.Awarded Lalziki Sailo award 2.Organised mentor-mentees meet and parents-teachers meet 3.Visit of Blind school Durtlang on 9.10.18 4.Students participated in Poshan Rally 2018 5. All teachers involved in college week
3	BIOCHEMISTRY	1.Lab requirements listing 2. Compilation of Question papers 3. Improvement of Lab	48	80	NA	1 teacher is an organising member	
4	MATHEMATICS	1. Distribution of topics 2. Preparation of time, table, annual report, monthly report and book requirements 3.Compilation of Question papers 4. Preparation of dept report 5. Requirements and disciplinary action 6. Preparation of Question papers 7. Fixing of dates for internal marks and compilation	90	88	207	1. 1 teacher attended awareness campaign on drug abuse 2. 2 teachers attended Research motivation Prog 3. 2 teachers attended MCTA conf at Saitual and selection of JRF at MZU 4.1 teacher was a resource person at workshop	Books requirements submitted
5	ELECTRONIC	1. Percentage of topics covered 2. Dept. requirements	201	232	NA	1. Teachers involved in various activities and	Department is awarded 'Best

		<ul style="list-style-type: none"> 3. Annual Dept report 4. Qs setting pattern 5. Electrification of new Lab tables 6. Percentage of topics covered 7. Mode of 3rd internal exam for 3 sem 8. Qs setter for Hist of Sc. 9. Date fixing for 3rd int exam 10. Dates for Pract exam 11. wiring of Lab tables 12. Percentage of topics covered 				<ul style="list-style-type: none"> documents for actions attached respectively 2. 2 teachers presented papers at MSC 2018 3. 1 teacher involved in various activities of NSS 4. All teachers engaged in invigilation duty of Univ exam 5. 1 teacher attended workshop 	Department Award 2017'
6	BOTANY	<ul style="list-style-type: none"> 1. Review of annual dept report 2. Question for 1st int exams 3. Mark distribution and qs setting for 2nd int 4. Compilation of 2nd int marks 	40	34	114	<ul style="list-style-type: none"> 1. Teacher attended Research Motivation Prog 2. 1 Teacher attended NSS PO meeting 3. 1 teacher as a resource person on World Ozone day 2018 4. 2 Teachers appointed as CE 5. 4 Teachers involved in Gen election of Mizoram. 6. 2 Teachers appointed as CE 	<ul style="list-style-type: none"> 1. All teachers involved in Invigilation to MZU exams 2. Teachers perform their duty on College week
7	ZOOLOGY	<ul style="list-style-type: none"> 1. Field Trip 1. Monthly report 2. Lab requirements 3. Library Book 4. Internal Qs papers 5. Answer sheet serialise 	45	45	174	<ul style="list-style-type: none"> 1. 2 Teachers attended int. Conf at MZU 2. 4 Teachers involved in Gen. Election of Mizoram 	Students seminar & model display
8	PHYSICS	<ul style="list-style-type: none"> 1. Monthly dept report 2. Replacement of white by green board 3. Lab projector to be fixed 4. Monthly dept report 5. Replacement of white by green board 6. Lab projector to be fixed 7. Grouping for end sem exam 8. Fixing of projector 9. Topic distribution for next sem 	82	70	220	<ul style="list-style-type: none"> 1. 3 teachers appointed as mod. Board members 2. 1 teacher registered for Ph.D. course. 3. 1 teacher is about to submit thesis. 4. 1 teacher attended international conference at Japan 5. 1 teacher attended MSC 2018 	Pract internal test conducted
9	ENGLISH	<ul style="list-style-type: none"> 1. Distribution of topics 2. Distribution of periods for each teachers 3. Distribution of topics 4. Review of Internal marks 5. Revision and discussion of syllabus covered 6. Topic for assignment 7. Topic for 2nd internals 8. Topics for oral communications 	1st Semester Classes only			<ul style="list-style-type: none"> 1. 3 teacher as organising secretary of Prog. 2. 1 Teacher as a resource person in finishing school 3. 1 Teacher as a resource person 4. Moderation Board membership 1 teacher as subj expert for Mizoram Sc. Centre Berawtlang 5. 2 teachers as subject experts in MPSC. 6. 1 teacher as EC for MIELS 7. 2 teachers as resource persons in PSC&MKVI 8. 1 teacher judge in Vety College 	1. Teachers engaged in Univ exam invigilation
			BSc 81	B. HSc 56	BC A 44		

10	GEOLOGY	<ol style="list-style-type: none"> 1. Distribution of routine for odd sem. 2. Improvements of pass percentage 3. Acquiring hard bound book 4. Briefing for Internal test 5. 3rd internal assessment 6. Final exam mandatory 7. Finalization of CA 8. Project work for final sem 	79	76	241	<ol style="list-style-type: none"> 1. 1 teacher attended meeting of Sc. congress 2. 1 teacher attended OC at MZU 3. 1 teacher attended National seminar 4. 2 teachers are moderation board members. 5. 1 teacher appointed as election Nodal Officer & Subject sub-comt member 6. 1 teacher participated at NSS work & Int dept sports 7. 1 teacher attended RC and 1 teacher attended seminar teachers were also appointed as some committee members 8. 2 teachers presented papers at MSC 9. 1 teacher engaged in Mass cleaning of Durtlang Campus 10. Students' seminar organised 11. All teachers engaged as resource persons in workshop 12. All teachers engaged in Univ exam as invigilators 13. 1 teacher attended RC /other OC 	<ol style="list-style-type: none"> 1. Field work for V Sem students 2. Field work for V Sem students and field teaching and observation around campus 3. Field work at Saithah/ Mamit road on 13-15 Sept. 4. Teachers campaign for earthquake awareness 5. Visited MZU Geology Dept by 5th sem Geological field mapping of Aizawl
11	COMPUTER SCIENCE	<ol style="list-style-type: none"> 1. Remedial course for new students 2. Appointment of dept secretary 3. To visit ICT Data Centre 4. Remedial course for new students 5. To visit ICT Data Centre 6. 2nd internal exam 7. Rank holder award distribution 8. Workshop 9. Participation in MZU syllabus revision 10. 3rd Int. exam timing and duty 11. Award distribution for 2nd int. exam 12. Workshop on Comp hardware and clinic 13. Final Internal marks 14. Duty list for Practical exam 15. Topic distribution for New Acad. Session 	265	256	258	<ol style="list-style-type: none"> 1. 3 teachers attended soft skill prog. 2. 1 teacher participated in awareness campaign 3. 1 teacher attended OC and National Seminar 4. 1 teachers attended Research Motivation prog. 5. 1 teacher became a member of Selection Comt. 6. 1 teachers attended faculty dev. Prog on entrepreneurship 7. All teachers involved in 2nd int examination 8. Teachers also attended BOS 9. 1 teacher was a resource person in Comp basic course at MP Council 10. 1 teacher as external Pract examiner 11. 1 teacher engaged MZU central evaluation 	<ol style="list-style-type: none"> 1. Organised visit to ICT Data Centre 2. Parent-Teacher meeting held 3. Remedial classes started 4. Int exam award distribution 5. NSS Camp attended by 5th Sem, 6. Remedial class for maths, etc 7. All teachers attended Comp hardware & networking. 8. All teachers engaged in Univ exam as invigilators

3. DEPARTMENTAL REPORT EVEN SEMESTER (JAN- JUNE 2019)

Sl. No.	Department	Resolutions in brief	Classes taken			Any Teacher attended Seminar/meetings, etc.	Departmental activities
			2 sem	4 sem	6sem		
1	CHEMISTRY	1. Routine for even semester 2019 2. Topic distribution for next sem 3. Lab requirements 4. First internal marks 5. Remedial class 6. Compilation of internal marks 7. Conduct of pract exams 8. Topic Distribution Review	128	80	132	1. 3 Teachers engaged in Univ Central evaluation 2. 1 teacher attended workshop 3. 3 teachers attended seminar 4. 1 teacher attended int conference 5. 1 teacher attended MAS conference 6. 1 teacher received appreciation letter for Clearing NET 7. 4 Teachers participated in central evaluation 8. 1 teacher participated in National workshop 9. 1 teacher as a resource person	1. VI students on study tour during Jan 22- Feb4, 2019 2. Departmental interaction with team from MZU to open P.G.
2	HOME SCIENCE	1. Hist of Sc. Syllabus 2. Report of CDPO 3. Distribution of Mentees. 4. Review of Odd sem result. 5. Career Counselling 6. Change of HOD 7. Report of Hist of Sc. Syll 8. Internal exam review 9. Mentoring report 10. Review of students' attendance 11. Mentoring problems 12. Attendance of students 13. Reports on various activities 14. Admission to Home Science First Sem 15. Formulation of History of Home Science 16. Contribution of teachers for natural calamity 17. Invitation of outsider for motivational speech	183	218	177	1. 5 teachers attended seminar 2. 1 teacher attended faculty induction Prog 3. 4 teachers attended Food Fest 4. 2 teachers engaged in MLA election 5. All teachers submitted mentoring reports 6. 1 teacher as resource person 2 as organising member in Workshop 7. 5 teachers attended BOS 8. 5 involved in state election 9. 4 involved in paper examination 10. Teachers met MZU VC for proposal of Hist of H.Sc. 11. 9 teachers participated in central evaluation 12. 2 teachers as organising member in PD.	1. Students also attended Food fest 2. Mentoring report 3. Visit of Old Age Home 4. Prepare H.Sc. Syllabus MZU approved hist of H.Sc. Syllabus
3	BIOCHEMISTRY	1. Routine distribution to teachers 2. Preparation of practical scoresheet 3. Review of last sem exam result 4. Distribution of classes 5. Review of Univ exam results 6. review of internal test 7. Distribution of duties for faculty 8. Compilation of internal marks 9. Topic distribution for next	81	76	NA	1. 1 teacher avails ML 2. 1 teacher attended induction prog. 3. All teachers engaged in Univ exam starting from 1.5.2019 4. 2 teachers attended hands-on training 5. 1 teacher attended national workshop	Teachers engaged in Univ exam papers and invigilation duties

		sem 10.Duty distribution for pract of old sem and appointment of dept. secretary					
4	MATHEMATICS	<ol style="list-style-type: none"> 1. Routine arrangement 2. Preparation for visit from ISI Kolkata 3. Monthly report 4. Attendance of students 5. Mentoring reports 6. Monthly reports Final Internal marks preparation and submission to exam cell 7. PG course to be introduced 	73	85	293	<ol style="list-style-type: none"> 1. All faculty members involved in Outreach prog. 2. 3 teachers attended seminar 3. 1 teacher attended Induction training prog 1 teacher attended OC in MZU 4. 2 teachers were engaged in State election 5. 2 teachers as Univ paper examiner 6. 1 teacher involved in state election 	3 last sem students attended winter school on maths at Tezpur
5	ELECTRONICS	<ol style="list-style-type: none"> 1. EVS class 2. Weekly routine for even sem 2019 3. Internal Qs setters 4. Practical exam 5. Syllabus covered 6. Preparation of Subject affiliation to MZU 7. Conducting of 3rd internal exam 8. Breadboard for practical classes 9. Syllabus covered by each teacher. 10. Preparation for subj affiliation to Univ 11. Topic covered already 12. Compilation of internal marks 13. Topic distribution for next semester 	137	117	NA	<ol style="list-style-type: none"> 1.3 teachers involved in paper setting and examiners for Univ exam 2.1 Teachers attended seminar on climate change 3. 1 teacher in NSS activities 4. 3 teachers engaged in MLA election 5. 1 teacher in NSS camp 6. 1 teacher in Adventure Club 7. 3 Teachers were appointed as paper examiner by Univ 8. 3 teachers engaged in MP election 9. 2 teachers attended MAS conference 10. 2 teachers are engaged in Workshop 11. 2 teachers in organising Hands-on training 12. 1 teacher attended DPC meeting 13. As NSS Prog. Officer, 15. 1 teacher attended Green Mizoram Day 2018. 	<ol style="list-style-type: none"> 1. Selected students from II & IV students attended study tour during 22.1.-24.2.2019 2. Internal invigilations duty performed by all teachers 3. 3rd internal exam conducted seminar using Power point presentation 4. PD closing functions attended 5. All teachers in mass cleanliness 6. 2 teachers guide study tours 7. teachers engaged in Univ sports 8. 3 teachers are engaged in Help Desk
6	BOTANY	<ol style="list-style-type: none"> 1. Distribution of topics for the new sem 2. Result of analysis of odd sem 3. Conduct of pract exams. 4. Filed study. 5. Question paper setting 6. Reports on topic covered by teachers 7. Question setting for 2nd internal 8. Topic covered by faculty 9. Review of Performance of students in internal exam 10. Compilation of marks 11. Topic/work distribution for upcoming sem 	52	63	164	<ol style="list-style-type: none"> 1.2 faculty members involved in new Campus development 2. 1 teacher and her team received best performing all women polling team in the Mizoram assembly election 2018. 3. 2 teachers attended seminar on climate change 4. Teachers involved in Univ sports during 11-15.3.2018 5. 1 teacher attended meet our Exes Prog 6. 1 teacher attended BOS meeting 7. All teachers engaged in Univ exam as invigilators 8. All teachers examine Univ exam papers 9. 1 teacher organizing member of PD for outgoing students 	<ol style="list-style-type: none"> 1. Teachers set qs, invigilate and check the first int papers 2. Farewell to 6th Sem students 3. Students seminar PD attended by students & teachers

7	ZOOLOGY	<ol style="list-style-type: none"> 1. Lesson Plan & dist of topics 2. Routine 3. Calibration of BOD Incubator 4. EVS classes 5. Pract exam 6. Departmental meeting 7. Review of Internal test 8. Distribution of incentive cash award 9. Preparation for final exam 10. Conduct of pract exam 11. Students counselling 12. Farewell Prog. 13. 2nd Internal exam 14. Central evaluation 15. Teachers assigned to Univ exam 	64	53	222	<ol style="list-style-type: none"> 1. 3 teachers attended seminar and 1 as resource person 2. Teachers engaged in MZU sports 2 teachers participated in hands on mol techniques. 	Students seminar organised
8	PHYSICS	<ol style="list-style-type: none"> 1. White board fixing 2. Internal questions 3. Intro of P.G. class 4. 2nd int. papers setting 5. White board fix 6. Practical exam routine 7. Topic distribution for Odd sem 2019 8. Fixing of White board 	59	66	165	<ol style="list-style-type: none"> 1. I teacher attended moderation Board in Phy, MZU 2. 1 teacher attended int conference 	Nil
9	ENGLISH	<ol style="list-style-type: none"> 1. Distribution of class/periods 2. Distribution of Topics 3. Review of Ist int. test marks 4. Improvements of students' writing skill 5. Mock Interview for BCA 6. Assignments of Sc and HSc 7. Distribution of duties to faculty members for improvements of students 	BSc 85	B. HSc 38	BCA 29	<p>2nd Semester Classes only</p> <ol style="list-style-type: none"> 1. 1 Teachers judged the SLYP 2019. 2. 1 TEACHER moderated the univ qs. Teachers engaged as paper setters in MPSC exams 3. 1 teacher attended seminar 4. 1 teacher attended BOS 5. 1 teacher presented a paper at Seminar 6. 1 teacher a member of State Higher Education Council 7. 1 teacher as a scrutinizer in MPSC exams 8. 1 teacher as core comt. For English syllabus revision in MZU 9. 1 teacher as organising member of PD 10. 1 teacher performed central evaluation duty 11. 1 Teacher presented paper abroad at Univ of Bern 	Students also attended Lit Fest

10	GEOLOGY	<ol style="list-style-type: none"> 1. Distribution of topics 2. Field work 3. Preparation of subj. affiliation 4. Submission of Final Marks 5. Practical exam preparation 6. Distribution of syllabus for next sem. 7. Preparation of Dept. Report 8. One informal meeting for organisation of workshop 	55	63	168	<ol style="list-style-type: none"> 1. Teachers involved in Mass cleanliness 2. Some teachers donate blood and organised 3. 2 teachers attended seminar 4. 2 teachers on moderation duty 5. Ph.D.Pre-submission seminar for 1 teacher 6. 3 teachers engaged in state MLA election 7. 1 teacher appointed as career counselling member 8. 1 teacher attended OC at MZU 9. 3 teachers engaged in MP election 10. 1 teachers as scrutinizer for MBSE exam 11. All faculty members attended IGC foundation lecture at MZU 12. 4 teachers were engaged in election 2019 13. 1 teacher attended OC at MZU 14. 4 teachers attended workshop and organised. 	1. Field round college campus for VI Sem
11	COMPUTER SCIENCE	<ol style="list-style-type: none"> 1. Mentor-Mentee regarding 2. IIT(M) Certificate Examination 3. Remedial classes for Maths 4. Soft skill training 5. Mentor-Mentee regarding 6. 1st int. exam results review 7. Incentive cash award 8. Remedial Class for Maths & C Prog 9. Project for 6th sem 10. IIM Cert exam review 11. Mentor-Mentee regarding 12. Workshop on career enhancement 13. Language Lab maintenance 14. Second int. exam duty list 15. Internal marks 16. Subject Distribution for Odd 17. Internal exam review 18. Subject distribution for 2019 19. Review of IIT Mumbai certification course 20. Design of Com lab approved 21. Remedial course for new students 	167	170	95	<ol style="list-style-type: none"> 1.2 teachers attended Climate change seminar 2. 1 teacher as a jury member 3. 1 Teachers engaged in Career enhancement skills 4. 1 teacher as panel board member of ZOMA 5. All teachers engaged as invigilator in Univ exam 6. 1 teacher attended OC at MZU 7. Remedial classes for 1 sem. students on c prog. and maths 	<ol style="list-style-type: none"> 1. collaborate with Alumni on Workshop 2. Felicitation of students who passed in all subjects

4. STUDENTS MENTORING SYSTEM ODD SEMESTER (JULY-DEC 2018)

Sl.No.	Department	Faculty (Mentor)	No. of Mentees reported as on JULY 2018	Any other information (Aspiration of students)	Students less of 75% attendance upto 31.7.2018	Percentage of marks less than 40% in the last test	Students less of 75% attendance upto 31.7.2018	Percentage of marks less than 40% in the last test.
		Name						
1	HOME SCIENCE	LALSANGLIANI KHAWLHRING	5	Dietician, not yet decided	Nil	1	1	1
		LALSANGKIMI HMAR		No mentees assigned				
		LALHMINGLIANI HLONDO	5	Dietician, Interior designer, Social Worker	Nil	1	Nil	4
		VANLALLAWMI	4	Dietician, Nursing, Fashion Designing	Nil	1	2	1
		LALTHANPUII RALTE	5	Private Business, Teaching, Missionary	Nil	Nil	1	1
		C. LALRAMDINA	6	Dietician, Teaching, Good Housewife, Further study	Nil	2	1	2
		MARIA LALHMINGMAWII	6	Dietician, designing.	Nil	Nil	Nil	Nil
		LALRAMMAWII	5	Dietician, lecturer, interior designer	Nil	Nil	Nil	Nil
		LALRINNGHETI RALTE	3	Competitive, Further Study, Interior designing.	Nil	Nil	1	Nil
		MIMI LALMUANAWMI	6	Pharmacy, Police officer, Private business	Nil	4	Nil	2
		REBECCA LALNUNTLUANGI	5	Fashion Designer, Dietician, Interior designing	Nil	Nil	1	Nil
		ZARZOKIMI	5	Dietician, Nurse, Fashion designing, Police	Nil	2	Nil	2
2	PHYSICS	DR. ARUP KUMAR	14	No Information	3	5	4	8
		DR. ROSANGLIANA	9	Management, Teaching, Navy, Business, Army	3	6	1	6
		M.I. SINGH	7	MCS, Prof. Army officer, MPS, Business	2	2		
		REMLALSIAMAMA	10	No Information	Nil	1	1	3
		LAWRENCE ZONUNMAWIA	11	Engineer, Tailoring, Teaching, Defence line	2	3	1	2
3	GEOLOGY	C. ZORAMTHARA	9	Geologist, Professor, Army officer, Missionary	3	4	Nil	4
		DR. C. LALMUANKIMI	13	Geologist, Civil Service, Hardware shopkeeper	3	Nil	Nil	Nil
		LALTLANKIMA	10	Teacher, Civil Service, Army Officer	6	7	6	7
		C. LALREMRUATFELA	11	Competitive exams, Army Officer, Navy, Pastor	1	6	2	7
4	ENGLISH	LALTLUANGKIMI HNAME	18	Teacher, B.Pharm, nursing, MBBS, Civil service	2	3	Nil	2
		LALRINSANGI NGHINGLOVA	10	Programmer, Banking, MPS, Graphic designer	1	Nil	1	3
		LALMALSAWMI	18	Teacher, doctor, Civil service, Zoologist, Pharmacy	5	Nil	5	Nil
5	BOTANY	DR. R. LALENGMAWIA		No mentees assigned				
		DR SKARIAH P.C.		Retired				
		ZODINPUII	13	Doctor, Police, MCS, Teacher,	Nil	1	Nil	Nil
		LALTLANCHHUNGI	13	Teaching, IFS, IAS, Police officer, MCS, Prof.	1	3	1	5
		LALRINTLUANGI	13	Pastor, MBBS, Business	Nil	1	2	1
		MARY LALTHANSANGI	17	Competitive, Further studies, Teacher, Forensic, Horticulture.	Nil	Nil	Nil	2
		LALREMRUATI HMAR	11	Competitive, Nursing, Teaching, Force.	2	6	2	7
LALNUNTHARA	16	Teacher, BDS, MBBS, Business, Civil Service, Nurse	Nil	1	Nil	1		
6	CHEMISTRY	DR.LALHMINGLIANA HNAME	17	Teaching, MPS, Engineer, Fashion designer, MBBS, Army Officer, IPS, Ph.D., Civil Service	2	6	2	10

		ZONUNTHARI	13	Teaching, Banking, Engineer	Nil	4	2	1
		DR. K.B. SINGH	11	Civil Service, M.Sc.(Chem), Business	Nil	5	1	5
		DR. LALSAIMAWIA SAILO	13	Engineer, Prof., Banking, Navy Officer, Architect, Army Officer	1	7	1	6
		R. LALRAMENGZAMI	Mentees taken over by Dr. Lalhmingliana					
7	ELECTRONICS	PROF. B. ZOLIANA	8	Mathematician, Physicist, MBA, Navy.	2	4	1	4
		DR. RICKY LALHMANGAIHZUALA	10	Physicist, Teaching, Er,Civil Service	1	3	1	4
		DR. P.C. ROHMINGLIANA	8	Er, Mathematician, Civil Service, teacher, Air force	3	4	3	4
		GEGINALD VANLALCHAKA	9	Engineer, Architect, Civil Service, Army, Bank officer	Nil	4	1	7
8	MATHEMATICS	L.B. SINGH	9	M.Sc., Army officer, Teacher	Nil	2	2	3
		PARIJAT KUMAR	9	Teacher, Architect, Army officer,	1	1	Nil	3
		DR. LALAWMPUII	10	Teacher, Bank Officer, Businessman, Civil Service, IAF, Army, Navy, Super Specialist	1	7		
		DR. LALHMANGAIHZUALA	10	Pastor, Police, Army officer, Engnr, Teacher, Bank Officer.	2	6	2	6
		C. LALNGAIHAWMA	10	Auto Engnr, Teacher, Army officer, Computer Er.	2	7	1	7
9	COMPUTER SCIENCE	M.S.DAWNGLIANI	8	Private Business, Higher Studies.	7	4	4	5
		LALHRUAI TLUANGA	8	Business, banking, Programmer, Police	6	8	7	7
		C. LALRINAWMA	11	Any job available, Further study, Bank Job	4	6	6	8
		LALDINGLIANA SAILO	9	Further Studies, Military, Private Business,	1	Nil	1	Nil
		R.LALMAWIPUII	9	Software developing, Private Business, Teacher	6	8	7	7
		LALREMTLUANGA	9	Teaching, Bank Job, Civil Service, Fashion Designer	3	7	4	7
		H.THANGKHANHAU	10	Software Er., Web designer, Teaching, Enterpreneur	1	2	1	5
		VANLALLURA	9	MCA, Business, Graphic Designing.	6	4	?	6
		LALNGURZAMI	10	Software developing, Further study,Bank Job,Programming	5	3	4	2
10	ZOOLOGY	CAROLINE ZAIHMINGTHANGI	13	Teaching, MSc (Zoo,Bot,Chem),	2	3	2	6
		DR. LALZAHAWMI CHENKUAL	24	Teaching, Civil Service, Vet, Forensic, Business, Sericulture Officer	2	5	2	5
		H.LALNUNSANGI	24	Teaching, Pastor, Civil Service, M.Sc., IAS, Social Worker, Nursing. Herpetologist	4	3	5	3
		S. THANGRIMAWII	12	Teaching, Farmer, Army officer, Business, Singer.	1	3	1	6
		SAILOPUII	14	Teaching, MBBS, Nurse, B.Sc.Nursing, MCS	1	2	Nil	Nil
		LALRINMAWIA	13	Police, Prof., Nurse, MCS,MPS	1	1	1	Nil
		DR. LALSANGLUAII FANAI	13	Vet Doc., Prof., Teaching, Forensic Scientist, MBBS, Phamacist, Horti	Nil	2	2	Nil
11	BIOCHEMISTRY	LALROSANGPUII	13	Bank Officer, Nurse, Doctor, B.Pharm,Er, Professor	3	6	2	5
		K.ZOSANGPUII/ RUTHI	12	Teaching, MBBS, Nurse, Army, Missionary	6	6	2	5

5. STUDENTS MENTORING SYSTEM EVEN SEMESTER (JAN-JUNE 2019)

Sl.No.	Department	Faculty (Mentor)	No. of Mentees reported as on March 2019	Any other information (Aspiration of students)	Students less of 75% attendance upto 15.2.2019	Percentage of marks less than 40% in the last test.	Students less of 75% attendance upto 5.4.2019	Percentage of marks less than 40% in the 2nd test.
		Name						
1	HOME SCIENCE	LALSANGLIANI KHAWLHRING	4	Dietician, MCS, pursue higher studies	2	?	1	?
		LALSANGKIMI HMAR	3	Nutritionist, Int designer, Dietician	Nil	3	Nil	2
		LALHMINGLIANI HLONDO	5	Dietician, Interior designer, Social Worker	1	2	1	3
		VANLALLAWMI	4	Dietician	Nil	4	Nil	4
		LALTHANPUII RALTE	4	Artist, Teaching, Dietician	1	1	1	Nil
		C. LALRAMDINA	6	Dietician, Teaching, Further study	1	4	1	4
		MARIA LALHMINGMAWII	5	Dietician, Social Worker, SA Officer	Nil	2	1	Nil
		LALRAMMAWII	6	Police, not sure	Nil	4	1	Nil
		LALRINGHETI RALTE	2	Social worker, Professor	Nil	Nil	Nil	1
		MIMI LALMUANAWMI	4	Competitive, Further studies.	Nil	1	1	1
		REBECCA LALNUNTLUANGI	3	Fashion Designer, Dietician, Interior designing	Nil	Nil	Nil	1
		ZARZOKIMI	4	Dietician, Fashion designing, Police	Nil	3	1	Nil
2	PHYSICS	DR. ARUP KUMAR	7		4		3	4
		DR. ROSANGLIANA					1	4
		M.I. SINGH	7	MCS, Prof. Army officer, MPS, Business	5	4	2	3
		REMLALSIAAMA					1	1
		LAWRENCE ZONUNMAWIA	7	Air force, PG studies, Civil services	2	1	1	1
3	GEOLOGY	C. ZORAMTHARA	7	Geologist, Professor, Army officer, Missionary	1	3	2	3
		DR. C. LALMUANKIMI	13	Geologist, Civil Service, Hardware shopkeeper	Nil	Nil	Nil	1
		LALTLANKIMA	8	Teachers, civil services, Army, Police	4	6	4	6
		C. LALREMUAATFELA	6	Competitive exams, Army Officer, Navy, Pastor	2	3	1	1
4	ENGLISH	LALTLUANGKIMI HNAME	9	Teaching, Nursing, Competitive, Pharmacy	2	3	1	4
		LALRINSANGI NGHINGLOVA	10	Programmer, Banking, MPS, Graphic designer	6	5	5	6
		LALMALSAWMI	12	Teacher, doctor, Civil service, Zoologist, Pharmacy	Nil	3	1	1
5	BOTANY	DR. R. LALENGMAWIA		No mentees assigned				
		DR SKARIAH P.C.		Retired				
		ZODINPUII	9	Doctor, Police, MCS, Teacher,	1	1	1	3
		LALTLANCHHUNGI	10	Teaching, IFS, IAS, Police officer, MCS, Prof.	Nil	3	1	1
		LALRINTLUANGI	10	Pastor, MBBS, IAS, Teacher, Army	Nil	2	Nil	8
		MARY LALTHANSANGI	17	Competitive, Further studies, Teacher, Forensic, Horticulture.	Nil	4	2	10
		LALREMUAATI HMAR	11	Competitive exams, Army Officer, Teacher, Nursing	1	5	Nil	3
LALNUNTHARA	10	Teacher, BDS, MBBS, Business, Civil Service, Nurse	1	1	1	3		
6	CHEMISTRY	DR. LALHMINGLIANA HNAME	25	Teaching, MPS, Engineer, Fashion designer, MBBS, Army Officer, IPS,	1	13	8	5

				Ph.D.,Civil Service				
		ZONUNTHARI	9	Teaching, Banking, Engineer	4	5	2	5
		DR. K.B. SINGH	11	Civil Service, M.Sc.(Chem), Business,	4	8	3	5
		DR. LALSAIMAWIA SAILO	9	Er, Prof., Banking, Navy Officer, Architect, Army Officer	4	6	3	4
		R. LALRAMENGZAMI	Mentees taken over by Dr.Lalhmingliana					
7	ELECTRONICS	PROF. B. ZOLIANA	7	Mathematician, Physicist, MBA, Navy.	3	1	2	3
		DR. RICKY LALHMANGAIHZUALA	8	Physicist, Teaching, Er,Civil Service	4	4	3	2
		DR. P.C. ROHMINGLIANA	6	Er, Mathematician, Civil Service, teacher, Air force	2	4	2	2
		GEGINALD VANLALCHAKA	9	Engineer, Architect, Civil Service, Army, Bank officer	3	3	3	4
8	MATHEMATICS	L.B. SINGH	9	Business,Army officer, Teacher,MCS	3	7	2	6
		PARIJAT KUMAR	9	Teacher, Architect, Army officer,	4	5	2	3
		DR. LALAWMPUII	12	Teacher, Bank Officer, Businessman,Civil Service,IAF,Army,Navy,Super Specialist	4	9	5	6
		DR. LALHMANGAIHZUALA	8	Pastor,Police, Army officer,Er,Teacher, Bank Officer.	6	4	6	3
		C. LALNGAIHAWMA	7	MCS, Teacher,Army officer, Computer Er.	2	2	1	4
9	COMPUTER SCIENCE	M.S.DAWNGLIANI	8	Private Business, Higher Studies,Competitive	4	5	5	6
		LALHRUAITLUANGA	8	Business, banking, Programmer,Police	3	4	3	8
		C. LALRINAWMA	9		7	8	8	8
		LALDINGLIANA SAILO	9		1	2	1	3
		R.LALMAWIPUII	7		4	2	2	3
		LALREMTLUANGA	9		7	8	6	8
		H.THANGKHANHAU	9	Software Er.,Web designer,Teaching,Enterpreneuer	6	6	4	8
		VANLALLURA	9	MCA,Business, Graphic Designing.	4	3	4	1
LALNGURZAMI	9	Software developing,Further study,Bank Job,Programming	6		Nil	4		
10	ZOOLOGY	CAROLINE ZAIHMINGTHANGI	9	Teaching, MSc(Zoo,Bot,Chem),	1	5	2	3
		DR. LALZAHAWMI CHENKUAL	24	Teaching, Civil Service, Vet, Forensic, Business, Sericulture Officer	6	8	7	3
		H.LALNUNSANGI	24	Teaching, Pastor, Civil Service,M.Sc., IAS, Social Worker, Nursing,Herpetologist	2	7	4	3
		S. THANGRIMAWII	11	Teaching, Farmer, Army officer, Business, Doctor	1	1	2	1
		SAILOPUII	10	Teaching, MBBS, Nurse, B.Sc.Nursing, MCS	1	1	Nil	2
		LALRINMAWIA	9	Police, Prof., Nurse, MCS,MPS,Doctor	4	3	3	3
11	BIOCHEMISTRY	DR. LALSANGLUAI FANAI	10	Vet Doc., Prof., Teaching, Forensic Scientist,MBBS, Phamacist,Horti	Nil	Nil	Nil	4
		LALROSANGPUII	12	Bank Officer, Nurse,Doctor, B.Pharm,Er, Professor	1	2	2	1
		K.ZOSANGPUII/ RUTHI	11	CTeaching, MBBS, Nurse,Army, Missionary	6	6	Nil	3

6. UNIVERSITIES RANK HOLDER FOR THE YEAR 2018

Sl. No	Roll No	Names	Department	Mark Obtained	Class/Div	Rank
1.	1507BS 014	S. Lalenkawli	Botany	1026	First	4
2.	1507BS 018	Jessica M.Sangthanmawii	Botany	971	First	8
3.	1507BS 015	L. Meni	Botany	970	First	9
4.	1507BS 032	S. Lalnunmawii	Zoology	1090	First	2
5.	1507BS 074	Tialtinpari	Chemistry	1011	First	1
6.	1507BS 080	Lalngaihawmi	Chemistry	946	First	3
7.	1507BS 078	Melody Lalhruaitluangi	Chemistry	921	First	5
8.	1507BS 072	Lalengmawii	Chemistry	917	First	6
9.	1507BS 092	P. Laldingngheta	Physics	914	First	7
10.	1507BS 105	C. Lalchangliana	Physics	840	First	10
11.	1507BH 015	Baby R. Lalruatfeli	H.Sc	1678	First	1
12.	1507BH 010	Ramdinsangi	H.Sc	1533	First	2
13.	1507BH 006	Ngurthansangi	H.Sc	1459	First	3
14.	1507BH 026	K. Lalruatfeli	H.Sc	1381	First	4
15.	1507BCA 232	Jeremy Lallawmsanga	BCA	7.94	First	3
16.	1507BCA188	Lalhriatpuia	BCA	7.81	First	4
17.	1507BCA192	Lalrinfela	BCA	7.44	First	5
18.	1507BCA195	K. Lalruatsanga	BCA	7.19	First	6

ABSTRACT OF THE FINAL YEAR B.Sc, H.Sc, BCA 2018

Sl. No	Class	Hons	Appeared		TT	1 st Class		2 nd Class		Total Pass	Pass %
			M	F		M	F	M	F		
1.	VI SEM B.SC	Bot	10	15	25	6	12			18	72.00
		Zoo	17	14	31	10	10			20	64.52
		Chem	6	11	17	4	8		1	13	76.47
		Maths	15	4	19	1	3	1	-	5	26.32
		Phy	10	-	10	2	-	1	-	3	30.00
		Geo	4	-	4	1	-		-	1	25.00
2.	VI SEM B.SC (H.Sc)		-	11	11	-	6		1	7	63.64
3.	VI SEM BCA		24	4	28	7	-	5	1	13	46.43
	TOTAL		86	59	145	31	39	7	3	80	55.17

7. RESEARCH AND PUBLICATION DURING 2018-2019

I. INTERNATIONAL JOURNAL

Sl. No.	Name of Author	Title of Publication	Journals
1.	C. Zoramthara	<i>Slip-partitioning above a shallow, weak décollement beneath the Indo-Burman accretionary prism</i>	Earth and Planetary Science Letters 503(2018) 17-28

ABSTRACT OF INTERNATIONAL JOURNAL RESEARCH PAPERS PUBLISHED DURING 2018

Earth and Planetary Science Letters 503 (2018) 17–28



Slip-partitioning above a shallow, weak décollement beneath the Indo-Burman accretionary prism



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ABSTRACT

The Indo-Burman Ranges (IBR) are an ~375 km wide accretionary prism that accommodates oblique convergence of the ~13–20 km thick Ganges–Brahmaputra Delta on the Indian plate with the Shan Plateau to the east and Shillong massif to the north. The IBR are entirely subaerial and adjacent to one of the most densely populated (>140 M people) regions on the planet, with the potential to generate a $M_w \geq 8.2$ megathrust earthquake. To determine the kinematic evolution, décollement geometry, and geologic deformation rates near the front of the IBR, we combined geologic field mapping, detrital thermochronology, and structural analysis of eight antiforms that define the ~120 km wide outer belt. The antiforms are bivergent fault-propagation or detachment folds that record plane-strain and east-trending horizontal shortening perpendicular to the axial trace of the folds, indicating nearly full slip-partitioning with the fold-belt normal and parallel components of convergence dominating, respectively, the front and back of the IBR. At 24°N the antiforms have accommodated $\sim 38.4 \pm 16$ km of shortening since ~8 Ma above a ~3–4 km deep, weak, subhorizontal décollement. Results indicate a shortening rate of >4.8 mm/yr. at least 28–37% of the arc-normal geodetic rate, and thrust front propagation rate

II NATIONAL JOURNAL

Sl. No.	Name of Author	Title of Publication	Journals	ISBN/ISSN
1.	C Lalmuankimi	<i>Geological study of carbonate band in Upper Bhuban Formation, Mizoram, India</i>	Advance in Engineering Research, volumn 178	ISBN: 978-94-6252-638-9
2.	Lawrence Zonunmawia Chhangte	<i>Measurement of Primordial radionuclides in soils and building materials from Mizoram, India</i>	Advance in Engineering Research, volumn 178	ISBN: 978-94-6252-638-9
3.	Lawrence Zonunmawia Chhangte	<i>Assessment of radon content in water using SMART RnDuo in Mizoram, North East India</i>	Advance in Engineering Research, volumn 178	ISBN:978-94-6252-638-9
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10.	Remlalsiama	<i>Assessment of radon content in water using SMART RnDuo in Mizoram, North East India</i>	Advance in Engineering Research, volumn 178	ISBN:978-94-6252-638-9
11.	Remlalsiama	<i>Measurement of natural radioactivity using NaI (Tl) detector in soil samples collected from Aizawl, Mizoram, India</i>	Advance in Engineering Research, volumn 178	ISBN:978-94-6252-638-9
12.	Prof. B. Zoliana	<i>Measurement of Natural Radioactivity using NaI (Tl) detector in soil samples collected from Aizawl, Mizoram, India</i>	Advance in Engineering Research, volumn 178	ISBN:978-94-6252-638-9
13.	Prof. B. Zoliana	<i>Measurement of primordial radionuclides in soil and building materials from</i>	Advance in Engineering Research, volumn 178	ISBN: 978-94-6252-638-9

		<i>Mizoram, India</i>		
14.	Prof. B. Zoliana	<i>Assesment of radon content in Water using smart RnDuo in Northeast India. ,</i>	Advance in Engineering Research, volumn 178	ISBN:978-94-6252-638-9
15.	Prof. B. Zoliana	<i>Measurement of Radon exhalation from soil samples in various fault regions of Aizawl District, Mizoram, India.</i>	Advance in Engineering Research, volumn 178	ISBN:978-94-6252-638-9
16.	Dr. PC. Rohmingliana	<i>Measurement of primordial radionuclides in soils and building material from Mizoram, India.</i>	Advance in Engineering Research, volumn 178	ISBN: 978-94-6252-638-9
17.	Mr. Reginald H.Vanlalchaka	<i>Correlation analysis between drowsiness and heart rate variability parameters</i>	Advance in Engineering Research, volumn 178	ISBN: 978-94-6252-638-9
18.	Lalrinsangi Nghinglova	<i>Indigeneity and Religion : The Mizo Context</i>	Department of English MZU	ISSN:2348-1188
19.	Lalrinmawia	<i>Faunal Diversity of insect pests associated with Tectonagrands Linn.F) in Aizawl District, Mizoram Bioecology of Hyblaea Puera (Cramer) in Aizawl District Mizoram</i>	BEHIET 2018	
20.	Dr. Lalzahawmi Chenkual	<i>Evaluation of status of ecosystem of Tamdil lake, Aizawl district, Mizoram by assessment of physico-chemical parameters of water and management strategies.</i>	BEHIET 2018	
21.	Dr. Lalzahawmi Chenkual	<i>Seasonal variation of Physico-chemical properties and ecological impact.</i>	BEHIET 2018	
22.	Laltanpuia	<i>Chite River- Problem and Prospect</i>	BEHIET 2018	
23.	Laltanpuia	<i>Water Resources of Aizawl City, Mizoram</i>	BEHIET 2018	
24.	Zonunthari	<i>Groundwater Quality Monitoring and Assesment in Aizawl City, Mizoram, India</i>	BEHIET 2018	



Advances in Engineering Research, volume 178
Mizoram Science Congress 2018 (MSC 2018)

Geological study of carbonate band in Upper Bhuban Formation, Mizoram, India

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The main carbonate band in Upper Bhuban unit in Bhuban Formation of Surma Group in Mizoram is exposed in an N-S trending hill range about 5 km northeast of Muthi village in Aizawl district. Representative samples from the study area were prepared for rock thin sections and were also analyzed for their major oxides by X-ray fluorescence to find out the mineral content and dolomitisation process. The limestone, which constitutes angular grains of calcite detritally accumulated with shell fragments and organic structures. The shell fragment belongs to echinoids, bryozoans and oysters in a sparitic matrix. Several foraminifera are also found in rock thin sections and it is the first time Index microfossil has been identified in Carbonate band of Upper Bhuban formation. Calcite is colourless under plane Polarized light showing distinct twinkling and low relief. Between cross-nicols, it shows high order interference colour red, blue. It exhibits perfect rhombus grains having two distinct cleavages. Organic shell structure is observed and is wholly made up of calcite. The



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Measurement of primordial radionuclides in soils and building materials from Mizoram, India

L.Z. Chhange¹, Hmingchungnunga¹, Vanramlawma¹, P.C. Rohmingliana², B.K. Sahoo³, B.K. Sapa³, B. Zoliana^{2*}, Rosangliana², Z. Pachuau¹

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Humans are constantly exposed to radiations, of which majority (87%) is from natural sources and a fraction (13%) is from man-made. Construction materials can contribute to natural background radiation in two ways, namely emission of gamma radiation, from primordial radionuclides like uranium, thorium and potassium and their decay products (external dose); and exhalation of radon (internal dose). The nature of soil largely determines the degree of gamma radiation. Measurement of natural radioactivity in soil and building materials from Siaha and Lawngtlai districts in Mizoram was carried out using 5"X 4" NaI (TI) detector. Soil samples were collected from 25 different sites and five different commonly used building materials in the study area are also analysed. The activity concentrations were measured for three principal primordial

Assessment of radon content in water using SMART RnDuo in Mizoram, Northeast India

Hmingchungnunga¹, Vanramlawma¹, Remlalsiama¹, Laldingngheta¹, L.Z. Chhangte¹, Z. Pachuau¹, B. Zoliana^{2*}, Rosangliana², B.K. Sahoo³, B.K. Sapra³

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Radon is a radioactive inert gas that is produced naturally from the decay of uranium to radium. As it is formed, it is released into air or water-containing pores between soil and rock particles. From soil and rock natural forces move it into the earth and it dissolves in groundwater. This is of great medical concern as environmental radon is one of the major causes of dangerous health problems such as lung cancer. Measurements of radon content in water was carried out in the northeastern part of India namely Aizawl district and Kolasib district of Mizoram using SMART RnDuo. About 30 sources of water were examined in each district during the winter of 2017. Water samples were collected from stream water, spring water, pump water, open well, pond and Government supplied water. Radon content in water from Aizawl district

Measurement of radon exhalation from soil samples in various fault regions of Aizawl district, Mizoram, India

Laldingngheta¹, Vanramlawma¹, Hmingchungnunga¹, L.Z. Chhangte¹, R.C. Tiwari¹, Rosangliana^{2*}, B. Zoliana², B.K. Sahoo³, T.K. Agarwal³

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Radon is a highly radioactive, colourless, chemically unreactive and is produced from the natural decay of uranium. As it is being synthesized, it can be released into air or water-containing pores between soil and rock particles. Environmental radon is of great medical concern as it causes dangerous health problems such as lung cancer, and is classified as Group A carcinogen. Measurement of radon mass exhalation rate was performed on soil samples collected from 33 different sites within different fault regions of Aizawl district, Mizoram, India, using Smart RnDuo. The sampling sites are located within the region 23°22'39.5"N to 24°09'30.16"N latitude and 92°39'49.03"E to 92°56'49.35"E longitude. Soil samples were collected from three different points in each selected fault with a minimum of 200 m from each other. The type of soil collected



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Measurement of natural radioactivity using NaI (TI) detector in soil samples collected from Aizawl, Mizoram, India

Vanramlawma¹, Hmingchungnunga¹, Remlalsiama¹, Laldingngheta¹, L.Z. Chhange¹, Z. Pachuau¹, B. Zoliana^{2*}, Rosangliana², B.K. Sahoo³, B.K. Sapra³

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Measurement of natural radioactivity in soil samples collected from Aizawl district, Mizoram, was carried out using gamma spectrometer 5"X 4" NaI (TI) detector. Soil samples were collected from 15 different sites located in various parts of Aizawl district. The activity concentrations were measured for three specific radionuclides, viz. ²³⁸U, ²³²Th and ⁴⁰K. The activity concentration of ²³⁸U nuclides was found to be in the range of 20.13 Bq/kg to 60.4 Bq/kg, with an average value of 34.03 Bq/kg. For ²³²Th nuclides, the activity concentration ranges between 53.68 Bq/kg to 161.03 Bq/kg, with an average value of 90.71 Bq/kg. For ⁴⁰K nuclides, it ranges from 270.58 Bq/kg to 954.63 Bq/kg, with an average value of 765.25 Bq/kg. To assess the



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Correlation analysis between drowsiness and heart rate variability parameters

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Electrocardiography (ECG) is an important physiological signal that reflects the autonomic nervous system (ANS) activity. The correlation between ANS measures and sleepiness has been used to assess the drowsiness of a person from spectral analysis of heart rate variability (HRV). Power spectral analysis of HRV derived from RR interval time series gives three frequency bands, namely very low frequency band (0.003-0.04 Hz), low frequency band (0.04-0.15 Hz) and high frequency band (0.15-0.4 Hz). Drowsiness has an adverse effect on the reaction time, alertness and concentration level of vehicle driver that can reduce driver performance. Surveys suggest that driver fatigue is one of the main causes of road accidents, contributing up to 20% of all road accidents. Researches have shown that bio-signals like electrocardiography,

Indigeneity and Religion: The Mizo context

K.C. Lalthlamuani

Professor, Department of English
Mizoram University

and

Lalrinsangi Nghinglova

Assoc. Professor

Govt. Zirtiri Residential Science College

The exotic state of Mizoram lies in the North Eastern region of India, with Aizawl as its state Capital. The North East India is presently composed of seven states namely, Assam, Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland and Tripura and lies in the eastern corner of India approximately at 20 N to 29 N latitude and 90 E to 98 E longitude. The state derived its name from the Mizo word 'Mizo' given to it by the British.

Oral Presentation

BD060

Faunal Diversity of insect pests Associated with *Tectona grandis L* in Aizawl District, Mizoram

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A research survey of Teak population and diversity of Insects Pests associated with teak (*Tectona grandis* Linn) conducted during May, 2016 and July, 2018 revealed that a total of 12 insect were associated with this plant. Hymenoptera (scolidae), Lepidoptera (Hyblaeidae, Hesperidae, Nymphalidae, papilionidae, Pieridae) and predatory spider were recorded as natural enemies associated with this plant. In addition to above black ants and termite were also noticed. 25 Teak plantation sites and Meteorological data and Geographical Bearings were recorded on study area. Investigation on seasonal incidence, biology and management of Defoliators *Hyblaea puera* Cramer was carried out in Aizawl district of Mizoram during 2016-2018. The *Hyblaea puera* is a well-known pest causing significant economic losses on timber production from teak plantations during their seasonal outbreaks. Pest population was at peak during June to August in the teak plantation of Eastern and western aspects of Aizawl District and recorded lowest pest incidence and also showed maximum pest population.

**Evaluation of status of ecosystem of Tamdil lake, Aizawl District, Mizoram by
assessment of physico-chemical parameters of water and management
strategies of the lake**

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Abstract:

The present study has been carried out to investigate the various physico-chemical parameters which decide the present status of Tamdil lake, Aizawl District, Mizoram. Tamdil lake lies between 23° 44'20.4"N Latitude and 92° 57'10.8" E Longitude. Tamdil lake is one of the two lakes which is included under National Wetland Conservation and Management Programme (2005). Water quality parameters such as Temperature, pH, Total Dissolved Solids, Turbidity, Total Alkalinity, Total Hardness, Dissolved Oxygen and Biological Oxygen Demand were studied for a period of two years (March 2014-February 2016). The findings indicate that Tamdil

**Seasonal variation on Physico-chemical properties and Ecological impact of Palak
Lake, Mizoram.**

Lalmuansangi and Lalzahawmi Chenkual

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Palak Lake is located between 22° and 22° 15' N latitudes and 92.88° – 92.92° S longitudes. It is situated within Mara Autonomous District Council in the southern corner of Mizoram bordering Myanmar. Palak Lake is the biggest lake in Mizoram and it is one of the two recognized wetland under National Wetland Conservation and Management Programme (2005). Water samples from different collection sites were collected at seasonal interval, viz., Pre-monsoon, Monsoon and Post-monsoon for analysis of various physico-chemical water quality parameters. The water quality parameters viz., temperature, pH, total dissolved solids (TDS), electrical conductivity (EC), acidity, alkalinity, carbon dioxide (CO₂), dissolved oxygen (DO), total hardness were tested. The data were analyzed statistically to get significant level of variation between different seasons. All the water parameters were within standard given by various scientific agencies except for Free Carbon Dioxide. From the study, it is clear that the lake losses its pristine nature and the environment are degrading. Appropriate management strategies were recommended for management and development of the lake.

Oral Presentation-13

Chiteriver - Problems and prospects

Laltanpuia and H. Lalramnghinglova

*Department of Environmental Science, Mizoram University, Tanhril, Aizawl**Email: tanpuia@rediffmail.com*

The major sources of drinking-water in Aizawl, the capital city of Mizoram are streams and river-water, springwater(or tuikhur) rainwater, and groundwater. There are very few perennial streams and rivers within and around the City. Chitelui, the most renowned river of Aizawl, having deep cultural and sentimental attachment with the people of Aizawl bears the brunt of population pressure. Because of its strategic location in the eastern fringe of the city it apparently receives huge amount of pollution load and needs to be protected. This study reveals crucial information on the prevailing problems of water quality as well as quantity, streambank erosion, and dwindling aquatic biodiversity. The need to spread awareness and short-term and long-term strategies to revive the dwindling river ecosystem for an *Action Plan* are discussed.

Water resources of Aizawl city (Mizoram)

Laltanpuia and H. Lalramnghinglova

*Department of Environmental Science, Mizoram University, Tanhril, Aizawl**Email: tanpuia@rediffmail.com*

The existence of springs and other water sources have played a major role in determining human settlement. The value of water, competition between different uses including its cultural and aesthetic aspects adds dimensions to the consideration of water resources. WHO-UNICEF Joint Monitoring Programme has described reasonable water access as being the availability of at least 20 lpcd from a source within 1 km of the user's dwelling. Development goals for poverty reduction and food security, and energy cannot be met without reliable water supplies. The major sources of drinking water in Aizawl, the capital city of Mizoram are streams and river water, spring-water, rainwater, and groundwater. Many of these natural water sources either dry up or hold very little water in the dry seasons. This study was carried out during 2016 - 2018 to map the types of water resources available in the study area. The relative abundance of water resources is investigated to determine their nature, quality, and the services rendered by these sources in sustaining people's livelihood. Crucial data on water demand, specific emerging water quantity and threats to water quality is presented. Indicators for assessment of water quality and quantity are discussed.

Groundwater quality monitoring and assessment in Aizawl city, Mizoram, India

Zonunthari and Prabhat Kumar Rai

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Fresh water resources are extremely scarce, being less than 1% of total existing global distribution. Moreover, during recent decades, contamination of ground-water emerged as a serious issue of environmental and public health concern. Present study aims to monitor the ground water quality of the capital city of Mizoram, India, to assess its extent of contamination and suitability for human use. In this context, several physico-chemical/water quality and biological parameters were analysed from the ground water samples using standard prescribed methods. Total of 14 groundwater samples have been collected from different localities (a total of 14 sampling sites) of Aizawl city, lying under five major zonations i.e. Central, North, South, East and West part of Aizawl City. Results revealed that certain water quality parameters (pH, Cl and BOD) exceeded the prescribed limits in water samples at few selected sites, especially, during winter and summer seasons. There is variation in most probable number (MPN) in certain water samples. However,

8. ACTIVITIES AND ACHIEVEMENTS OF VARIOUS SUB COMMITTEES

I. IQAC

Members:

Chairman	:	Laltanpuia, Principal
Coordinator	:	Prof. B. Zoliana
Co-coordinator	:	Lalrinsangi Nghinglova Lalsangkimi Hmar Dr R Lalengmawia Dr.Lalhmingliana M.S. Dawngliani
External Members :		Prof.Lalnundanga, Director IQAC (MZU) J.H Zoremthanga, Director MSB

Objectives:

- I) To work towards realizing the goals of quality enhancement.
- II) To develop a system for conscious and consistent improvement in the performance of the college by
 - Preparing Academic Calendar at the beginning of every session in accordance with the MZU calendar.
 - Monitoring the functioning of all sub-committees and departments.
 - Collecting feedback from students.
 - Implementing the mentoring system.
 - Organizing Parent-Teacher Meets.
- III) The IQAC is empowered to take necessary actions under the supervision of the Principal.

Activities:

- a. **Preparing Academic Calendar for the odd semester 2017 and even semester 2018:-**The committee prepared the academic calendar before the start of each semester. The work calendars were worked out in tandem with the earlier calendar and endorsed by the General Body Meeting. After acceptance from the General body meeting, the calendars were printed out for display.
- b. **Preparation of College Year Book 2018:** The Editorial Board for the year book started collecting reports from various Departments, Committees and Cells which could also be utilised for future SSR for NAAC accreditation.
- c. **Assigning mentees to mentor, compilation and review of mentoring report:** As per the standing practice of the IQAC, mentoring system during the reporting period was kicked off again at the start of academic session by assigning each teacher 5-10 or more mentees. Mentors gave reports about their mentoring after two weeks of the first and second inter assessments in each semester.
- d. **Compilation of Monthly Department Report and review:** All the departments submitted their monthly reports before the 15th of the next month which was compiled and reviewed at the end of each semester by the IQAC Committee. In addition to this monthly report, Annual Departmental Report was also collected from each department for preparation of College Year book.

- e. Appointment of Faculty members to prepare Master Routine for BCA, BSc and B. HSc Classes:** Dr. R. Lalengmawia was appointed to prepare Master Routine for B.Sc. while BCA and Home Science Master routines may be prepared from respective departments.
- f. Proposal of subject in Lieu of History of Science for Home Science to the concerned authority in MZU:** The IQAC resolved to make a proposal of subject to be introduced in lieu of History of Science for Home Science students to concerned authority at MZU. Principal and Teachers from Home Science Department were appointed to take care of the matter. It was great to see the success of the proposal that Home Science students would now learn History of Home Science instead of History of Science as one of the foundation courses in the undergraduate studies.
- g. Awarding of best Department:** Best performing department for the year 2017-18 was selected on the following criteria:
- i) Regularity of submission
 - ii) Activity of the department through their reports
 - iii) Submission of supporting documents and evidence
- Electronics Department was selected to be the best Performing Department during 2017-18. The award, which was a beautiful citation, was given during Freshers' Social on 11.7.2018.
- h. Organizing Parent-Teacher Meet:** On 30th August 2018, Parent-Teacher Meet was organised for parents of first semester students. Being an important stakeholders in the college, these parents were informed about the examination system and rules and regulations of the College. A joyful time of interaction with Principal and faculty members of the college with parents was remarked.
- i. Organising short term course on Personality Development in Collaboration with Students' Support Committee:** The IQAC with the Students Support Committee organised Personality Development Programme during 21st - 25th May, 2019 for out-going students.

II. EXAMINATION**Members:**

Chairman : Principal

Secretary : Dr Rosangliana

Dr. R. Lalengmawia

H. Lalnunsangi

Lalrammawii

M.S.Dawngliani

Objectives:

- i.** To supervise, ensure smooth and secure conduct of internal and university Examinations.
- ii.** To Implement rules of examinations strictly, in accordance with the university and college rules and take actions against defaulters.
- iii.** To collect and maintain internal marks of students from concerned department and send them to the University as and when required.
- iv.** To conduct briefings on examination rules, etc. to students as well as faculty members before University examinations.
- v.** To coordinate with the examination department of Mizoram University in all matters relating to examinations and make notifications to students whenever necessary.

Activities:

- a.** In every semester, two internal test/ examinations were conducted by preparing examination time table for each department. Copies of internal marks of all departments is recorded.
- b.** Took responsibility for two End Semester exams commencing from 10th November to 8th December 2018 and 1st- 20th May 2019. Question papers received from University are arranged and checked well in advance, exam duty invigilation for teachers and office staffs are also prepared in advance in order to conduct exams smoothly.
- c.** Conduct internal practical examination and also end semester practical exams.
- d.** All the compiled/final internal marks are uploaded to MZU through online portal provided by MZU.
- e.** Communicate several times to the university exam officials regarding exams matters.

III. ADMISSION**Members:**

Chairman : Principal

Secretary : Laltluangkimi Hnamte

All HODs

Objectives:

- i.** To implement the already existing rules contained in the prospectus and set new criteria and rules for admission into the college if and when necessary.
- ii.** Setting of time frame for admission procedure.
- iii.** Performing the needful during the time of admission such as appointing members for help desks and interview of students seeking admission.

Activities:

- a.** Resolution no 4 of staff meeting held on 29th April 2019 was discussed and taken up as much as possible.
- b.** Chalking out different criteria for admission to first semester (new admission) 2019.
- c.** Dates for submission of admission form were fixed by the committee.
- d.** Making help-desk for students seeking admission.

IV. AISHE**Members:**

Nodal Officer : Lawrence Zonunmawia Chhangte

Objective:

- i. To perform documentation work as proposed by concerned authority.

Activities:

- i. Collect Institution statistics and upload to AISHE web site (<http://aishe.gov.in>)
- ii. Institution “Data Capture format – II” (DCF-II) and “Teacher Information Format” (TIF) of the institution for the Academic Year 2018-2019 was prepared and uploaded to AISHE Portal, <http://aishe.nic.in/aishe/userhome>.



V. ANTI-RAGGING & GRIEVANCE**Members:**

Chairman : Remlalsiama

Secretary : S. Thangrimawii

Lawrence Zonunmawia Chhangte

Leishangthem Budha Singh

Lalsangkimi Hmar

Sailopuii

Objectives:

- i.** To ensure that there is no ragging in any form among our students within and outside our college campus.
- ii.** To ensure that no student is a victim of harassment, exploitation and discrimination on any ground.
- iii.** To look into the grievances of students and take necessary action for redressal.

Activities:

- a.** Anti-Ragging and Grievance cell Box was checked every month. But no complaint was received.
- b.** The notice regarding Anti-Ragging and Grievance made on 23.08.2017 was still in the notice board, as such no new notification was made during the reporting period.
- c.** Respective Professors are requested to sense any kind of Ragging or Grievance that may take place within the Campus.
- d.** The college is free from Ragging and no sign of Grievance or the like is observed during the reporting period either from the teacher or from the students.
- e.** Announcement regarding prohibition of any kind of ragging is made in each and every classroom.

VI. STUDENT'S UNION**Members:**

Chairman: Lalnunthara

Secretary : Dr. Lalzahawmi Chenkual

Dr. Lalhmingliana Hnamte

C. Lalramdina

S.Thangrimawii

Lalremruati

Objectives:

- i. To organise Annual Student's Union Election.
- ii. To render overall supervision of all activities of the student's union.
- iii. To help promote general welfare of the students.
- iv. To provide necessary advice and assistance to the student body.

Activities:

- a. Conduct Fresher' Social on 11th July 2018.
- b. Fixation of date for SU leaders Election on 17th July 2018. Appointment for returning and polling officers were made. Some teachers were appointed for counting of votes.
- c. Conduct election of Class Representatives from all the semesters for 2018-2019.
- d. Help SU leaders during College Week 2018 (during 3rd – 8thSept 2018). Teachers were given specific assignment or duties during the week.
- e. Help and guide SU leaders during University Sports 2019 and to appoint the faculty members to attend to their assigned duties during the university sports during 11th -15th March 2019.
- f. Compel the students to wear College T-shirt every Tuesday and Thursday.
- g. Distribute Incentive Cash Award 2019 to the following students:
 - i. Highest SGPA in Core students.
 - ii. SGPA 9 and above to all the semester.
 - iii. Highest SGPA in 1st and 3rd Semester.
 - iv. 100% attendance.
 - v. Highest SGPA in the whole college.

VII. GAMES AND SPORTS**Members:**

Chairman: C. Zoramthara

Secretary : Dr. Lalhmangaihzuala

Dr KB Singh
Dr. Lalzahawmi Chenkual
Zarzokimi
Vanlallura
Laldingliana Sailo
LB Singh
Dr PC Rohmingliana
Lalrosangpuii
C Lalrinawma
Lalremtuanga
Laltlankima

Objectives:

- a. To supervise all activities relating to games and sports of the student body.
- b. To appoint teachers on duty during college and university sports.
- c. To monitor purchase of sport goods and ensure the management of sports venues.

Activities:

- 1) Organised College Week during 3rd -7th Sept 2018 and prepared duty list for professors.
- 2) Purchased new sport equipment such as Basketball, Football, Shuttle Cock and Table Tennis Ball.
- 3) Two lockers were allotted for storage of sport equipment.
- 4) Participated in Mizoram University Sports held on 11th-15th March 2019. Our college participated in various sports discipline such as football, volleyball, basketball, badminton and table tennis.
- 5) Requested Principal to arrange College week for selection of sports men, and to allot different account for sports development which is in connection with the letter received from Sports Department, MZU.

VIII. COLLEGE MAGAZINE**Members:**

Chairman: Laltluangkimi

Secretary : Lalmalsawmi Chhangte

Lalthanpuui Ralte

H Thangkhanhau

Dr Lalhmingliana Hnamte

Dr R Lalawmpuui

C Lalngaihawma

Objectives:

- a. To ensure publication and proper distribution of the Annual College magazine.
- b. To render advice to magazine editors as and when necessary.
- c. To empower magazine editors in collection and selection of articles for magazine.
- d. To help in editing of college magazine.

Activities:

- 1) Edited all the articles, poem for the annual college magazine.
- 2) Discussed the layout and expenses to be incurred.
- 3) After the release of college magazine, they had a review meeting where errors and mistakes were discussed.
- 4) Had a meeting with the newly formed Editorial board.
- 5) Discussed the need to prepare the magazine well in advance for its release.
- 6) The editors have been advised to request messages from the Governor, Chief Minister Etc.
- 7) It is agreed to solicit articles from the teachers and students as well.

IX. DEBATING, SOCIO-CULTURAL**Members:**

Chairman: Lalthanpuii Ralte

Secretary : R. Lalramengzami

Dr Arup Kumar
Laltluangkimi Hnamte
Lalrinsangi Nghinglova
Lalmalsawmi
Mary Lalthansangi
Lalrinngheti Ralte
Dr R Lalawmpuii
Dr C Lalmuankimi

Objectives:

- a. To ensure smooth functioning of SENHRI, our college cultural club.
- b. To assist in selection of student representatives /participants in intercollege debates, quiz, cultural functions etc.
- c. To help promote the art of Public speaking among students.
- d. To help students in organizing competitions under the debating department during college week.

Activities:

- 1) The committee assisted the SU in charge in organizing and conducting debating and socio-cultural activities during college week. Debate, Quiz, Elocution, Extempore Speech etc was conducted on 7th Sept 2018 at the college auditorium.
- 2) Cultural day was observed on 8th September 2018 at Electric Veng Hall.
- 3) The committee selected eight (8) students to participate in the LIT FEST 2019.
- 4) Seven (7) students for the beat contest and one student for the poetry writing competition participated at the LIT FEST 2019 held at Pachhunga University College on 22nd March 2019. They were escorted by committee members Mrs. Lalrinsangi Nghinglova and Mrs Lalmalsawmi Chhangte.

X. SPIRITUAL COUNSELLING**Members:**

Chairman: Lalhmingliani Hlawndo

Secretary : Lalhruaitluanga

Lalringgheti Ralte

Dr P.C. Skariah

Laltlanchhungi

Lalrintluangi

Dr Lalmangaihzuuala

Objectives:

- a. To assist the activities of the Evangelical Union.
- b. To provide spiritual counselling to those in need.
- c. To promote and ensure mental and spiritual health of students.

Activities:

- 1) A committee was held on 31st July 2018 to discuss Celebration of 22nd EU Rising Day on 22nd September 2018.
- 2) Fund Raising for celebration of EU Day by selling pickle smoked pork and Jumble sale.
- 3) Finalized preparation and Programmes for the rising day on 20th September 2018.
- 4) A review meeting of End Session of the EU Activities on 11th October 2018.
- 5) Meeting was conducted to hand over charge by the outgoing OB to new OB executive members on 18th April 2019.
- 6) The committee discussed various programmes and the means to raise fund on 25th April 2019. The following are means of raising funds:
 1. Selling of Pickle
 2. Selling of Surf
 3. Selling of Amla juice
 4. Selling of smoked meat
 5. Cleaning of vehicles
 6. Cleaning of House
 7. Selling of books
- 7) The committee conducted condolence service at the home of EU Adviser, Mrs Lalhmingliani Hlondo at the demise of her mother on 27th April 2019.

XI. REFRESHMENT**Members:**

Chairman: Mary Lalthansangi

Secretary : Maria Lalhmingmawii

Lalrintluangi

R Lalmawipuii

Dr Lalmuankimi

Dr Lalmangaihzuala

Dr. Ricky Lalmangaihzuala

Dr P.C. Rohmingliana

Dr Lalsaimawia Sailo

Objectives:

- a. To take charge of selecting and ordering food items to be distributed in college functions.
- b. To take charge of distributing the selected food items during the functions.

Activities:

- 1) Refreshment was served for five (5) people during College and Campus visit by Commissioner cum State Project Director (RUSA), H & T Dept.
- 2) Refreshment was served for thirty (30) people during Joint Inspection of Durtlang Campus on 24th July 2018.
- 3) Refreshment was prepared for 350 people during the Inaugural Programme of Laboratory building, Boy's Hostel and Girls Hostel, Durtlang Leitan on 27th August 2018.
- 4) Refreshment was served for 320 people on Parents-Teachers meet which was organized by IQAC, GZRSC on 27th August 2018.
- 5) Refreshment was served for 230 people during Outreach Programme in collaboration with Indian Statistical Institute (ISI), North East Centre, Tezpur organized by Department of Mathematics, GZRSC.

XII. DECORATION & HALL ARRANGEMENT**Members:**

Chairman: Lalsangliani Khawlhring

Secretary : Rebecca Lalnuntluangi

Lalsangliana Khawlhring

Lalrinngheti Ralte

Lalhmingliani Hlondo

Vanlallawmi

Parijat Kumar

Mimi Lalmuanawmi

K Zosangpuii

Objectives:

- a. To take charge of decoration & hall arrangement for college functions.
- b. To look after the beautification of the college in general.

Activities:

- 1) Members of the decoration committee arranged and decorated the whole campus, setting up flowers and decorating the campus as best as possible on 30th August 2018 during Inaugural function of laboratory, boys and girls hostel at permanent campus, Durtlang Leitan.
- 2) The committee members made necessary arrangement for flower arrangement and table set up during blood donation camp at college auditorium on 24th January 2019.
- 3) The committee members also made arrangement and decorated college auditorium on Campaign on Climate Change on 7th February 2019.

XIII. SECURITY

Members:

Chairman: C. Lalramdina

Secretary : Sailopuii

Lalhruaitluanga

Zodinpuii

C Lalrinawma

L B Singh

Dr Ricky Lalhmangaihzuala

Remlalsiama

Lalnunthara

R Lalramengzami

Objectives:

- a. To monitor disciplinary climate prevailing in the student community.
- b. To provide security and maintain discipline among students during college functions.
- c. To issue rules relating to disciplinary proceedings as and when necessary and to strictly implement already existing rules pertaining to discipline of students in consultation with the Principal.

Activities:

Performed the functions outlined in the terms of reference.

XIV. CANTEEN**Members:**

Chairman: Vanlallawmi

Secretary : Zonunthari

Caroline Zaihmingthangi
Lalthanpuii Ralte
Parijat Kumar
K Zosangpuii
C Lalremruatfela
Dr Fanai Lalsangluaii

Objectives:

- a. Authorized to select the canteen proprietor.
- b. To monitor the working of the college canteen and give necessary advice to them.
- c. To supervise and ensure efficient management of canteen towards providing hygienic, healthy and tasteful food items.

Activities:

- 1) With the approval of the Principal, four (4) dozen tea cups were purchased by the committee for the professor's common room.
- 2) The committee inspects the college canteen at regular interval to ensure that hygienic practices are maintained and also to ensure its smooth functioning.

XV. LIBRARY

Members:

Chairman: Principal

Secretary : Librarian, GZRSC

Asst. Secretary : T.Zothangpuii

Dr. Arup Kumar

Lalrammawii

Lallungmuana H.A.

Genenral Sec., S.U

Laltlankima

Lalrosangpuii

M.I. Singh

Objectives:

- a. To guide the librarian in formulating general library policies and regulations.
- b. To work towards modernization and improvement of the library.
- c. To adopt measures to enhance and promote reading culture among students.
- d. To organise orientation programmes on library use.

Reports and Activities:

- 1) Library Members: All teaching and non-teaching staffs, all regular students of the college.
- 2) Library rules: Library members are not allowed to use other library card to avoid problems on overdue charge and loss of books. In case of loss or damage of books, the borrower should replace it in kind or in cash by paying double the price of the lost book. The librarian may recall any book borrowed by any member at any time.
- 3) Library timings: 10:00-4:00pm on all working days.
- 4) Library Collections:
 - No of printed Volumes (Books) : 12768
 - No of Journals/Magazines Subscribe : 4
 - No of Newspapers Subscribe : 4
 - No of Electronics Resources : Nil
- 5) No of Books added to the Library during 2018-2019:

Sl.No	Subject-Wise Distributions of Books	No of books added in the library
1	Chemistry	225
2	Botany	255
3	Zoology	187
4	Bio Chemistry	70
5	Home Science	130
6	English	200
7	Physics	183
8	Mathematics	412
9	Electronics	150
10	Computer Science	206
11	Geology	101

6) Financial Expenditure on purchasing books during 2018-2019: Rs. 7,60,325.00

7) Total library collections (printed volumes): Subject-Wise distribution

Sl.No	Subject-Wise Distributions of Books	No of books available in the library	No of titles
1	Chemistry	1185	433
2	Botany	932	335
3	Zoology	872	275
4	Bio Chemistry	407	176
5	Home Science	1297	588
6	English	798	66
7	Physics	1223	447
8	Mathematics	1414	372
9	Electronics	512	206
10	Computer Science	1126	345
11	Geology	370	97

8) List of Journals/Magazines subscribed:

Sl. No	Title
1	Competition Affairs
2	Down to Earth
3	Careers 360
4	Science Reporter

9) Expenditure on Journal/Magazines (annually): Rs. 3270.00

10) List of Newspaper subscribed:

Sl. No	Name of newspaper
1	Vanglaini
2	The Aizawl Post
3	The Zozam times
4	The Mizoram Post

11) Expenditure on Newspaper: Rs. 6000.00

12) Library Services: Circulation (Lending Service for students and faculties)

Sl.No	Library Users	No of Books issued	Number of days issued
1	Students	3600	120
2	Teachers	500	100

13) Visitors logbook:

Average no of visitors per day: 30

Average no of visitor per month: 600

14) Library services: Question banks (old question papers for reference), library has also made provisions for students to refer to old question papers for preparing for their examinations.

Students are allowed to take photocopy the question papers using their mobile phones and Xerox copy.

15) Library Facilities:

Sl. No	Particulars	Numbers
1	Computer	6
2	Shelves	60
3	Photocopy and printing facilities	1
4	CCTv	1
5	Internet Facilities	Nil

16) Library Orientation Program:

Sl. No	Semester & Department	Date	Resource person
1	1 st Sem BCA	8 th August 2019	T Zothangpuii
2	1 st Sem BSc	8 th August 2019	T Zothangpuii

XVI. RECEPTION**Members:**

Chairman: Zodinpuii

Secretary : Remlalsiama

Laltlanchhungi

H Lalnunsangi

Caroline Zaihmingthangi

Dr K B Singh

Objectives:

- a. To look into matters pertaining to reception of invited guest, dignitaries, resource persons etc to college functions and programmes.
- b. To cordially receive officials during college functions, inspections etc. and provide gifts and flowers if necessary. To make arrangement for transportation and accommodation of guests when required.
- c. To maintain the *visitor's book* and ensure that all visitors give their feedback of their visit in the book.

Activities:

- 1) Performed Reception duty on 30th August 2018 at the Inaugural Function of Boys and Girls Hostel and Laboratory Building at New Campus, Durtlang.
- 2) Performed necessary Reception Duty and arranged Reception counters during Parents Teachers Meet held on 31st August 2018 at the College Auditorium.

XVI. CLEANLINESS & SANITATION**Members:**

Chairman: Lalrammawii

Secretary : C. Zoramthara

S Thangrimawii

Mary Lalthansangi

Zonunthari

Lalremruati Hmar

C Lalremruatfela

Objectives:

- a. To ensure that cleanliness is maintained in classrooms and college campus.
- b. To organise regular cleanliness drive jointly with the NSS.
- c. To take all necessary steps to ensure cleanliness (e.g. selection of cleanest classrooms etc).
- d. To inculcate the importance of cleanliness and promote clean & hygienic living.

Activities:

- a. Cleaning personnel were hired under the supervision of the cleanliness committee on 13th July 2018.
- b. The committee is responsible for the cleanliness of the college and takes part in cleaning and sanitation activity in all events organized by the college and other committees.
- c. Cleanliness Drive was conducted on 18th January 2019 in collaboration with NSS Unit, GZRSC.
- d. Cleaning duty performed in every college functions.

VXIII. WEBSITE**Members:**

Chairman : H.Thangkhanhau
Secretary : Laldingliana Sailo
Lalrinmawia
Lawrence Zonunmawia Chhangte
R Lalmawipuii
Jonathan Lalrinawma
Lalhmunmawii

Objectives:

- a. To monitor the college website and keep it updated with relevant information including the syllabus, etc.
- b. To generate easy access of information and study materials to benefit students as well as the faculty.
- c. Establish policy concerning the operation of the website.

Activities:

- a. Upgrading the college website framework.
- b. Updating the college website when needed.
- c. Implementing “online fee payment” link on the college website in collaboration with i-made by DoT.
- d. Initiate development of college android application in collaboration with i-made by DoT (ongoing process).

XIV. ALUMNI**Members:**

Chairman: Lalrinsangi Nghinglova

Secretary : Dr. P.C. Rohmingliana

Lalrammawii

M.S.Dawngliani

Lalremruati Hmar

Maria Lalhmingmawii

Objectives:

- a. To maintain close ties with our ex-students and take note of their placements.
- b. To organise Alumni day.
- c. To assist the student alumni association.

Activities:

- a. Alumni Day was celebrated successfully for the 3rd time on 1st August 2018 at College Auditorium with a grand dinner.
- b. Election of Alumni Office Bearers for the year 2018-2020 was successfully conducted on 1st August 2018 under the guidance of Alumni Teachers' in-charge. The elected OB's were:
 - President: Lalruatsanga Pachuau
 - Vice President: P.C. Lalngaihawma
 - Gen. Secretary: P.C. Lallawmawma
 - Asst. Gen. Secretary: R.K. Hnuna
 - Treasurer: V.L. Hmangaihzuali
 - Fin. Secretary: Lalremdika
- c. Handing over of Office Bearer's charge was held on 31st August 2018 at Zo-Career Solutions Office, Chanmari under the chairmanship of Dr. PC Rohmingliana, Alumni Teacher' In-charge.
- d. Workshop on "Career Enhancement Skills and Interaction with Alumni" was jointly organized by Department of Computer Science, GZRSC and Alumni Committee on 22nd March 2019 at the college Auditorium for the BCA students.

XX. RESEARCH & SEMINAR**Members:**

Chairman: Lalrinsangi Nghinglova

Secretary : Dr. P.C. Rohmingliana

Prof B Zoliana

Dr Rosangliana

Lalrinsangi Nghinglova

Sailopuii

Dr Fanai Lalsangluaii

Objectives:

- a. To facilitate research culture among students and the faculty.
- b. To initiate, facilitate, integrate, recommend and support research projects conducted by faculty members and students.
- c. To organise Seminars, lectures on selected topics at regular intervals.

Activities:

- a. Organised an “Awareness Campaign on Drug Abuse, Social Media/ Cyber Crime and Human Trafficking” on 24th July 2018 at the college auditorium. Mr F. Lalthlamuana, MPS officer under Govt. of Mizoram was invited as a resource person.
- b. Organised a seminar on “Research Motivation” at the college auditorium on 24th August 2018.
- c. Organised State Level seminar on Climate Change “Beat Plastic Pollution” in collaboration with Mizo Academy of Science (MAS) at College Auditorium, GZRSC on 7th February 2019.
- d. Workshop on “Career Enhancement Skills and Interaction with Alumni” was jointly organized by Department of Computer Science, GZRSC and Alumni Committee on 22nd March 2019 at the college Auditorium. It was organized by all the semester students of Bachelor of Computer Application (BCA), GZRSC.

XXI. DISASTER MANAGEMENT

Members:

Chairman: Lalnunthara

Secretary : C. Lalremruatfela

Lalsangliani Khawlhiring

Dr. Lalzahawmi Chenkual

C. Zoramthara

Laltlankima

Dr. C Lalmuankimi

Objectives:

- a. To react to any kind of disaster, natural or man-made that involves the college.
- b. To spread awareness on mitigation of any kind of disaster.
- c. To work in close proximity with the Disaster management Department, Govt. of Mizoram.

Activities:

No Activity was conducted during the reporting year.

XXII. VILLAGE & SCHOOL ADOPTION**Members:**

Chairman : Prof. B. Zoliana
Secretary : Dr. Ricky Lalhmangaihzuala
Dr R Lalengmawia
Lalthanpuii
Laltluangkimi Hnamte
Lalrinngheti Ralte
Vanlallawmi
Lalhruaitluanga

Objectives:

- a. To encourage extension programmes for greater social good.
- b. To work towards upliftment of adopted villages & schools.
- c. To arrange invited lectures in collaboration with the school authority.

Activities:

- a. Career Guidance cum Preparation of Ginger Squash Programme was conducted at Rosebud School, Aizawl on 31st July 2018
- b. Training on Fabric Stencilling Programme was conducted in collaboration with Home Science Dept., GZRSC at Govt. Venglai Middle School, GZRSC on 31st August 2018.
- c. Workshop on Life Skills and Food Adulteration was conducted at college Auditorium, GZRSC, Aizawl on 15th May 2019 in collaboration with Republic High School.

XXIII. WOMEN STUDIES**Members:**

Chairman : Lalsangkimi Hmar
Secretary : Lalrinsangi Nghinglova
Lalthanpuii Ralte
Lalhmingliani Hlondo

Objectives:

- a. To work towards promotion of gender equity.
- b. To uplift the girl student and provide special provisions wherever possible.
- c. To coordinate with the Women Study Centre, Mizoram University in organising seminars, etc.

Activities:

- a. Awareness on Women's Right conducted in collaboration with home science Department.
- b. Seminar paper presented on status of women conducted for home science students on 28th March 2019.

XXIV. INTELLECTUAL PROPERTY RIGHT**Members:**

Chairman : Dr. Lalhmingliana Hnamte
Secretary : C. Zoramthara
Dr Arup Kumar
Prof B Zoliana
Lalhmingliani Hlondo

Objectives:

- a. To disseminate awareness on patent rights and educate members on issues relating to intellectual property
- b. To study and monitor intellectual property and copyright issues.
- c. To coordinate with the IPR Cell, Department of Science & Technology, Govt. of Mizoram.

Activities:

No activity was conducted during the reporting period as funding was not received from MISTIC, Govt. of Mizoram since 2017-2018.

XXV. CAREER COUNSELLING, PLACEMENT & STUDENT'S SUPPORT**Members:**

Chairman	: Zodinpuui
Secretary	: Lalrinsangi Nghinglova Dr. Lalzahawmi Chenkual Lalsangkimi Hmar Caroline Zaihmingthangi Lalthanpuui Ralte M.S.Dawngliani H Thangkhanhau Lalhruaitluanga

Objectives:

- a. To provide assistance to students who are economically deprived.
- b. To organise add on courses such as CCC and other such courses.
- c. To organise Personality Development course for final year students and equip them with life skills.
- d. To provide career counselling to students and look out for placement of students.

Activities:

- a. Course on Computer Concept conducted for odd semester final year students from 3rd August 2018.
- b. Soft Skill Training conducted in collaboration with Avenue, Shillong where 60 students participated.
- c. Endowment fund given to poor/needy students.
- d. Course on Computer Concept started for even semester final students on 4th February 2019. The course was completed in April and students prepared to sit for the exam.
- e. Distribution of Poor/endowment fund of Rs. 3000/- was given to three (3) students on 6th March 2019.
- f. Personality Development course was organized during 16th -22nd May 2019 for outgoing final year students.

XXVI. INNOVATION CLUB**Members:**

- Chairman : Lalhruaitluanga
Secretary : Lalmalsawmi Chhange
Lalrinmawia
Mary Lalthansangi
Lalngaihawma

Objectives:

- a. Explore innovative ideas in local groups.
- b. Organise seminars, conferences, workshops, exhibitions relating to innovations.
- c. Develop innovative mind set and train for entrepreneurship.
- d. Provide opportunities and platforms for students, teachers and other members of the society.
- e. Support and facilitate grass root innovations.
- f. Document innovations for different walks of life.
- g. Collaborate with micro, small and medium enterprises.
- h. To promote innovation, creativity and engagement in science.
- i. To cultivate in students the ability to think “out of the box”.

Activities:

- a. The Club has been making good use of the newly purchased bulletin board. The members prepared motivational quotes to be displayed on the bulletin board. Showcased winners of the drawing competition with their work on the bulletin board.
- b. Fun facts on different subjects and motivational quotes from different fields were put up by different subjects by taking turns.
- c. “Meet our Ex” programme was held on 18th March 2019. Invited our ex-student Lalremruata IIM Rohtak.

XXVII. NATIONAL SERVICE SCHEME (NSS)

Members:

- Chairman : Lalnunthara
 Secretary : Dr. P.C. Rohmingliana
 C Zoramthara
 Mimi Lalmanawmi
 Rebecca Lalnuntluangi
 C. Lalremruatfela

Objectives:

- a. To fulfil the aims and objectives of the NSS.
- b. To serve the society without bias.

Activities:

- a. One Programme Officer attended Programme Officer's meeting for plantation of flowering trees at Sihmui-Airport Road.
- b. Orientation Programme Blood Donation Campaign for First Semester students was organized on 25th July 2018. Four (4) PO's and 280 students attended the programme.
- c. Cleanliness Drive on the streets of Aizawl and A.R Ground on 22nd August 2018. Two (2) PO's and 23 volunteer attended the programme.
- d. Cleanliness Drive at new college campus, Durtlang Leitan was organized on 29th August 2018. Two PO's and 10 volunteer participated.
- e. Special Camping was organized at Saithah Village from 13th to 19th September 2018. Five PO's and 18 volunteers participated in the programme.
- f. Swachh Hi Seva was observed on 24th Sept 2018 and four PO's and 100 volunteer took part in the events.
- g. Observation of NSS Foundation Day at Vanapa Hall on 24th September 2018. Two PO's and 53 volunteers attended the function.
- h. Two PO's attended P.O meeting at SNO Office on 10th August 2018.
- i. Two PO's attended a meeting with Asit Singh, Joint Secretary, Ministry of Youth Affairs & Sport, Govt. of India on 5th Oct 2018.
- j. Five PO's and 22 volunteers participated at flowering trees Plantation site visit/cleaning at Sihmui on 4th Oct 2018.
- k. Cleanliness drive was organized at New Campus, Durtlang Leitan on 18th October 2018. Six PO's and 44 volunteers participated.
- l. One PO attend a meeting of NSS Programme Officers on 14th Jan 2019 at SNO office for Youth Parliament.
- m. Mass Cleaning of college campus in collaboration with cleanliness committee on 18th Jan 2019. All PO and 609 volunteers participated.
- n. Blood donation cam was held on 24th Jan 2019 at college campus. 116 units was donated (30 girls and 86 boys).
- o. One PO and four volunteers participated in District Youth Parliament on 28th Jan 2019 at PUC organized by State NSS Office.
- p. One PO participated in the state level youth parliament on 7th Feb 2019 at Aijal Club organized by State NSS Office.
- q. One volunteer from NSS unit, GZRSC attended a national level youth parliament as delegate held at New Delhi from 26th -27th Feb 2019 which was organized by Ministry of Youth Affairs, Govt. of India.

- r. Special Camping at Hualtu and Chhingchhip village from 7th -13th March 2019. Three PO and 50 volunteers participated.
- s. One PO attended a meeting at SNO on 14th May 2019 regarding Observance of Green Mizoram Day 2019 and Mass Cleanliness Drive at A.R Ground.

XXVIII. RED RIBBON

Members:

Lalnunthara

Zarzokimi

Objectives:

- a. To work towards fulfilment of the ideals of MSACS
- b. To work in co-ordination with NSS

Activities:

Worked in co-ordination with NSS

XXIX. SPOKEN HINDI

Members:

Chairman : Dr. Rosangliana
Secretary : Dr. Lalzahawmi Chenkual
RUSA Nodal Officers
Principal

Objectives:

1. To promote Hindi Language to the faculty members and students.

Activities:

No Activity was conducted during the reporting year.

XXX. ADVENTURE CLUB

Members:

- Chairman : Lalnunthara
 Secretary : C. Lalremruatfela
 Lawrence Zonunmawia Chhangte
 Dr. P.C.Rohmingliana
 C Zoramthara
 Dr. Lalmangaihzuala

Objectives:

- a. To inculcate a healthy spirit of adventure in the students.
- b. To train the students to work as a team.
- c. To explore and discover the hidden qualities of the students.
- d. To impart in the student a sense of love, sacrifice and service to the entire creation.
- e. To prepare the student for future challenges in the global context.

Activities:

- a. Membership drive was conducted during the month of July. A total of 50 members were selected from several classes from each semester.
- b. One day Basic Adventure Training was conducted at college auditorium on 4th Sept 2018.
- c. Participated in Inter College Rope Access Challenge on 13th Oct 2018.
- d. 10 members participated in Inter College Youth Adventure Blood Donation Camp at Civil Hospital, Aizawl on 24th Oct 2018.
- e. One member attended Search and Rescue Training at Vaipuanpho Base Camp during 16th-20th October organized by Sport and Youth Services.
- f. One member attended training in Adventure Course at Vaipuanpho Base Camp during 30th November to 14th December 2018 organised by Sport and Youth Services.
- g. Student-leaders from Adventure club, GZRSC attended Inter College YAC Rising day at Dilmawi on 2nd Feb, 2019.
- h. Basic Adventure Camping organized by Adventure Club, GZRSC at Vaipuanpho Camo from 14th to 16th March 2019.
- i. Attended Inter College Adventure Club meeting on 25th March 2019 at MZP office.

XXXI. NATIONAL CADET CORPS (NCC)

Caretaker Officer : Lalrinsangi Nghinglova

Objectives:

- a. To motivate students to take up a career in armed forces.
- b. To work in co-ordination with the NCC Hqrts and fulfil the aims of the National Cadet Corps.
- c. To develop leadership skills, character and discipline.

Activities:

- a. Classes are organized weekly for students by the NCC air wing at the main office Khatla.
- b. Drills and simulator classes attended.
- c. Eleven (11) students attended camp at Tanhril from 23rd May to 1st June 2019.
- d. Cadet R.Lalrosiama attended Airforce Attachment Camp, Northeast region at Guwahati Airforce station 19 Wing, Eastern Air Command for two weeks from 9.6.2019.

9. NEW INFRASTRUCTURE AND FACILITIES ACQUIRED

A. Constructions

Sl. No.	Name of Facility	Amount	Utilised	Balance	Present Position	Remark
1.	Construction of Laboratory Building	140,00,000 (Allocated)	9,44,956	Nil	Construction Complete	Payment of 5% security deposit.

B. Renovation/Upgradation of existing facilities

Sl. No.	Particulars	Amount	Utilised	Balance	Present Position	Remark
1.	Vertical Extension of Boys and Girls Hostel and payment of security deposit.	140,00,000/- (Allocation in DPR)	60,96,370/-	Nil	Construction Complete	Total expenditure exceed amount allocated by Rs. 5,26,561/-

C. Purchase

(i) Office & Classroom Furniture

Sl. No	Particulars	Amount	Utilised	Balance	Remark
1.	Whiteboard 2 nos.	11980	11980	Nil	Install in different Class Room
2.	Personal Locker	10800	10800	Nil	Placed in Teacher's Common Room
3.	Tables and chairs	42812	42812	Nil	
4.	Personal locker unit 6 doors	16600	16600	Nil	
5.	Sharp Copier MX M365N with RADF for Library	232800	232800	Nil	Entered in Library Stock Register
6.	Desk & Bench set and Teacher Table	417000	417000	Nil	Placed in Teacher's Common Room
7.	Computer Tables 21 nos.	166600	166600	Nil	Placed in different rooms
8.	T-9 & VSDU Office Table & Steel Rack	45700	45700	Nil	Placed in Teacher's Common Room
	TOTAL	944292	944292	Nil	

(ii) Laboratory Equipment & Specimens

Sl. No	Particulars	Amount	Utilised	Balance	Remark
1	Dissecting Specimens	20416	20416	Nil	Entered in Botany Dept. Stock Register
2	Hair Dryer 3 nos.	3000	3000	Nil	Entered in Home Science Dept. Stock Register

3	Lab. Equipments & Chemicals	214902	214902	Nil	
4	Hindi Language Software	60180	60180	Nil	Place in Language Laboratory
5	Spectrophotometer & Accessories	608000	608000	Nil	Placed in Environmental Laboratory
6	Binocular Microscope	43600	43600	Nil	Entered in Zoology and Biochemistry Dept. Stock Register
7	Microprocessor Based Colorimeter - 2set	29600	29600	Nil	
8	Laboratory Balance 300g/0.01g - 3 pcs.	14400	14400	Nil	
9	Analytical Semi-Micro Balance 0.01MG	183000	183000	Nil	
10	Laboratory Balance 220gm/0.1mg	68000	68000	Nil	
11	Eco Tester PH2 Pen Type	10900	10900	Nil	
12	Haemocytometer Marienfold (O) Ravi - 15set	48000	48000	Nil	
13	Haemocytometer Marienfold (O) - 15set	18760	18760	Nil	
14	Micropipette 100-1000µl Microlit - 3pcs.	9600	9600	Nil	
15	Micropipette 20-200µl Microlit - 2pcs.	6400	6400	Nil	
16	Micropipette 2-20µl Microlit - 2pcs.	6400	6400	Nil	
17	Micropipette 0.5-10µl Microlit - 2pcs.	6400	6400	Nil	
18	Micropipette 1000-5000µl Microlit - 2pcs.	6400	6400	Nil	
19	Micropipette 1000-10000µl Microlit - 2pcs.	6400	6400	Nil	
20	Microtips 200-1000µl 500's Ravi - 3pkt	800	800	Nil	
21	Microtips 2-200µl 1000's Ravi - 8pkt	1600	1600	Nil	
22	Microtips 0.2-10µl 1000pcs RVPL - 8pkt	2384	2384	Nil	
23	Microtips 1000-5000µl 100PCS	9120	9120	Nil	
24	Microtips 1000-10000 µl 100PCS	18240	18240	Nil	
25	Hemoglobin Meter	8389	8389	Nil	
26	Hemoglobin Strip	2410	2410	Nil	
27	Microscope Eyepiece Adaptor (Smile Drive) - 10nos.	14500	14500	Nil	
28	Microscope Cell Phone	4800	4800	Nil	

	Adaptor WF16X - 2pcs.				
29	Amscope 10 Megapixel	29800	29800	Nil	
30	Dry Hot Air Oven	88000	88000	Nil	
31	Water Bath	27000	27000	Nil	
32	Incubator	98000	98000	Nil	
33	Mini Sub System	8530	8530	Nil	
34	Pipette Stand	1930	1930	Nil	
35	Tube Rotor	39000	39000	Nil	
36	Magnetic Stirrer with hot plate	24253	24253	Nil	Entered in Chemistry Dept. Stock Register
37	Vortex Mixer	15370	15370	Nil	Entered in Chemistry Dept. Stock Register
38	Cuvette (Glass)	8500	8500	Nil	Entered in Biochemistry Dept. Stock Register
39	Digital Hemoglobin Meter - 2nos.	44000	44000	Nil	Entered in Biochemistry Dept. Stock Register
40	Mild Steel Bunsen Burner - 2nos.	5000	5000	Nil	Entered in Chemistry Dept. Stock Register
41	Hemocytometer - 10nos.	12000	12000	Nil	Entered in Chemistry Dept. Stock Register
42	Auto Photo Colorimeter	25000	25000	Nil	Entered in Chemistry Dept. Stock Register
43	Direct Shear Outfit, 2kN, with Microprocessor loading unit	234465	234465	Nil	Entered in Geology Dept. Stock Register
44	Sieve Shaker, Motorised with build in Digital Timer	52382	52382	Nil	Entered in Geology Dept. Stock Register
45	Adapter for 30cm dia sieves	5786	5786	Nil	Entered in Geology Dept. Stock Register
46	Sieve Brass Frame - 16 different diameter	16329	16329	Nil	Entered in Geology Dept. Stock Register
47	Laboratory Electric Oven, Digital Indicator cum Controller with Safety Alarm. Range 50°C - 300°C	63448	63448	Nil	Entered in Geology Dept. Stock Register
48	Electronic Balance, Capacity 3200g - 0.01g	49335	49335	Nil	Entered in Geology Dept. Stock Register
49	Bar Pendulum - 5Sets	38600	38600	Nil	Entered in Physics Dept. Stock Register
50	Young's Modulus Apparatur - 5Sets	12200	12200	Nil	Entered in Physics Dept. Stock Register
51	Viscosity Apparatus - 5 nos.	9250	9250	Nil	Entered in Physics Dept. Stock Register
52	Travelling Microscope with three motions - 5nos.	43750	43750	Nil	Entered in Physics Dept. Stock Register
53	Surface tension of a liquid - 5nos.	43000	43000	Nil	Entered in Physics Dept. Stock Register
54	Electric Vibrator - 5nos.	6400	6400	Nil	Entered in Physics Dept. Stock Register
55	Linear Extension Apparatus- 5sets	44675	44675	Nil	Entered in Physics Dept. Stock Register
56	Newton's Law of Cooling Apparatus - 5nos.	10250	10250	Nil	Entered in Physics Dept. Stock Register

57	Constant Volume Air Thermometer - 5nos.	14500	14500	Nil	
58	Deflection Magnetometer - 5nos.	11250	11250	Nil	
59	Vibration Magnetometer - 5nos.	7250	7250	Nil	
60	Dip Circle - 5nos.	40000	40000	Nil	
61	Optical Bench Two Bar Type - 4nos.	24000	24000	Nil	
62	Convex Lenses of Focal length - 5sets	1025	1025	Nil	Entered in Physics Dept. Stock Register
63	Post Office Box (manganin Coil) - 5sets	57150	57150	Nil	
64	Resistance Box Mangnin Coil - 6nos.	13380	13380	Nil	
65	Tangent Galvanometer - 5nos.	7500	7500	Nil	
66	Copper Voltmeter - 5nos.	2750	2750	Nil	
67	Reversing Key (4plug type) - 5nos.	1400	1400	Nil	
68	Battery Eliminator - 5sets	26750	26750	Nil	
69	Pointer Galvanometer - 5sets	31350	31350	Nil	
70	Kirchoff Law Apparatus (Analog) - 5nos.	16400	16400	Nil	
71	Ohm Law Apparatus (Analog) - 5nos.	11250	11250	Nil	
72	Vernier Calliper - 5nos.	3500	3500	Nil	
73	Meter Scale - 5nos.	1750	1750	Nil	
74	Reading Telescope (Deluxe Model) - 4nos.	12880	12880	Nil	
75	Lens Holder - 8nos.	3200	3200	Nil	
76	Screw Gauge - 4nos.	2800	2800	Nil	
77	Resistance Coil - 5sets	2625	2625	Nil	
78	Electronic Balance (Digital)	6800	6800	Nil	
79	Spirit Level 2" - 10nos.	1400	1400	Nil	
80	Digital Multimeter (MASRECH) - 10nos.	7500	7500	Nil	
81	Digital Fully Automatic colorimeter	10900	10900	Nil	
82	Microprocessor conductivity meter	15000	15000	Nil	Entered in Biochemistry Dept. Stock Register
83	Double Beam UV-VIS Spectrophotometer	482000	482000	Nil	
84	Digital Storage Oscilloscope - 2nos.	103176.84	103176.84	Nil	Entered in Electronics Dept. Stock Register
85	Soldering and Desoldering Station Digit. Nvis 83	20248	20248	Nil	
86	Digital Lab. Scientech2611 -	32039.36	32039.36	Nil	

	2nos.				
87	Analog Lab. Scientech2612	18101.2	18101.2	Nil	
88	Analog Lab. Scientech2612 (A) - 2nos.	45253	45253	Nil	
89	TINA V 10 Educational. TINA V10-01 user	92040	92040	Nil	
	TOTAL	3610022.4	3610022.4	Nil	

(iii) *Computer & Peripherals*

Sl. No	Particulars	Amount	Utilised	Balance	Remark
1	Printer, Scanner, etc	30600	30600	Nil	RUSA Office
2	Computer for Office	24012	24012	Nil	
3	Lenovo Desktop (All in one) - 10nos.	570000	570000	Nil	
4	Laptop HP - 1no.	72900	72900	Nil	
5	Epson Colour Ink - 6nos.	3678	3678	Nil	
6	Printer Cannon LBP 2900B - 1no.	11000	11000	Nil	
7	Mac Book Air - 1no.	77200	77200	Nil	Entered in Geology and BCA Dept. Stock Register
8	SSD 120 GB - 3nos.	18690	18690	Nil	
9	SMPS 550W Cooler Master - 12nos.	66000	66000	Nil	
10	Motherboard Asus - 10nos.	11200	11200	Nil	
11	RAM 4GB DDR 4 Kingston - 10nos.	40000	40000	Nil	
12	Cabinet Foxin Red - 10nos.	35000	35000	Nil	
13	Processor Corei3(8400) - 10nos.	115000	115000	Nil	
14	LED 20" Monitor Ben Q - 10nos.	70000	70000	Nil	
15	Keyboard & Mouse Logitech - 11nos.	19580	19580	Nil	
16	DVD Writer - 11nos.	19360	19360	Nil	
17	HDD SSD 120GB - 10nos.	31400	31400	Nil	
18	Nvidia Quadro p1000	30500	30500	Nil	
19	M/B MSI Pro Z 370	13200	13200	Nil	
20	RAM 8GB DDR4 HyperX	7900	7900	Nil	
21	Cabinet Cooler Master	7000	7000	Nil	
22	Processor intel Core i7 (8700)	27600	27600	Nil	
23	LED 22" Monitor Dell	8350	8350	Nil	
24	HDD1TB Toshiba	3750	3750	Nil	
25	Projector stand - 2nos.	5600	5600	Nil	Install in different class rooms
26	Ceiling Mount - 3nos.	6300	6300	Nil	
27	HDMI Cable - 8nos.	7920	7920	Nil	
28	Power Cable - 8nos.	4080	4080	Nil	
29	MS Office 2016	6800	6800	Nil	RUSA Office
30	Epson Colour Ink - 6nos.	3678	3678	Nil	
31	Antivirus - 6nos.	4080	4080	Nil	
32	Laptop	85000	85000	Nil	
	TOTAL	1437378	1437378	Nil	

(iv) *Sports & Adventure Club Goods*

Sl. No	Particulars	Amount	Utilised	Balance	Remark
1	Football (Shining Star)	2000	2000	Nil	Entered in Student Union Stock Register
2	Volley Ball	2600	2600	Nil	
3	Volley ball net	1500	1500	Nil	
4	TT Bat	12000	12000	Nil	
5	TT Ball	400	400	Nil	
6	Basketball (Indoor)	4000	4000	Nil	
7	Basketball (Outdoor)	1600	1600	Nil	
8	Chess mat (Men)	2000	2000	Nil	
9	Chess clock	4000	4000	Nil	
10	Whistle	35000	35000	Nil	
11	Cone 12"	800	800	Nil	
12	Keeper glove	1100	1100	Nil	
13	Bib	850	850	Nil	
14	Decender - 3nos.	2250	2250	Nil	
15	Carabiner (Lock) - 6 nos.	4200	4200	Nil	
16	Carabiner (Plain) - 3nos.	1890	1890	Nil	
17	Mitten - 3nos.	1800	1800	Nil	
18	Seat Harness - 3nos.	8100	8100	Nil	
19	Rope (10mm/100mt) - 3 coil	42000	42000	Nil	
20	Jummer - 2 pairs	14000	14000	Nil	
21	Pulley (double) - 1	5000	5000	Nil	
22	Helmet - 3nos.	8400	8400	Nil	
23	Tent (4 person) - 3 nos.	39000	39000	Nil	
24	Tent (2 person) - 1	4500	4500	Nil	
	TOTAL	198990	198990	Nil	

(iv) *Other Equipment*

Sl. No	Particulars	Amount	Utilised	Balance	Remark
1	Gas Stove	1440	1440	Nil	Entered in Home Science Dept. Stock Register
2	Teacher's microphone & Antivirus	5428	5428	Nil	Teacher's Common Room
3	Sound System - Yamaha CBR15 & Accessories for College Multipurpose Hall	335345	335345	Nil	College Multipurpose Hall
4	Gas Stove - 2nos.	17000	17000	Nil	Entered in Home Science Dept. Stock Register
5	Gas Cylinder - 2nos.	12000	12000	Nil	
6	Stainless steel Basin (1.5 ft dia) - 12nos.	3000	3000	Nil	
7	Hawkins Pressure Cooker (2ltrs) - 6nos.	21600	21600	Nil	
8	Kadai (Thick) 10"dia - 12nos.	90000	90000	Nil	
9	Godrej Steel Book Rack (Sliding type)	12000	12000	Nil	

10	Refrigerator	48000	48000	Nil	
11	Microwave Oven	12200	12200	Nil	
12	Mixer Grinder - 2nos.	11500	11500	Nil	
13	Ironing table - 2nos.	3200	3200	Nil	
14	Iron - 2nos.	2600	2600	Nil	
15	Teachers chair - 12nos.	30600	30600	Nil	Teacher's Common Room
	TOTAL	605913	605913	Nil	

10. YEAR WISE EXPENDITURE UNDER UPGRADATION TO MODEL DEGREE COLLEGE GRANT

A. Year-wise Expenditure under Upgradation to Model Degree College Grant

(i) Receipt

SI No.	Amount	Remark
1	Rs. 50,00,000.00	Vide SPD (RUSA) Letter No. G.21017/1/2015-SPD(RUSA); Dated Aizawl the 6 th January, 2016 - Cheque No. 069488 of 06, 01, 2016
2	Rs. 2,25,00,000.00	Vide SPD(RUSA) Letter No. G.20015/1/2015-SPD(RUSA); Dated Aizawl, the 9 th November, 2016 (2 nd Installment)
3	Rs. 25,00,000.00	Vide SPD(RUSA) Letter No. G.21015/1/2016-SPD(RUSA) –Pt 1; Dated Aizawl, the 3 rd February, 2017
4	Rs. 10,00,000.00	Vide SPD (RUSA) Letter No. G.21015/1/2016-SPD(RUSA) –Pt 1; Dated Aizawl, the 4 th , July, 2018
5	Rs. 90,00,000.00	Vide SPD (RUSA) Letter No. G.21015/2/2015-SPD(RUSA) Dated Aizawl, the 4 th , July, 2018
Total	Rs. 4,00,00,000.00	

(ii) Expenditure

Head	Purchase	Renovation/ Upgradation	New Construction	Total
Year				
2015-2016			2500000	
2016-2017	4260687	220575	10303800	14785062
2017-2018	2108657	5880419	251243	8240319
2018-2019	6752955	7306350	944956	15004261
2019-2020		1119220		
Total	1,31,22,299	1,45,26,564	1,39,99,999	Rs 4,16,48,862.00

Balance (08/08/2019) : Rs. -16,48,862/-

B. Academic Building Block I, Durtlang Campus

- (a) Source of funding : Special Plan Assistant (SPA) Mizoram PWD.
- (b) Amount Sanctioned : 7.5 Crore
- (c) Design & Drawn : Architect Branch, Mizoram PWD
- (d) Area : 2560 Sq. m
- (e) No. of Floor : 4 (Basement, Ground, First and Second Floor)
- (f) Status : Completion Stage

11. ABSTRACT OF EXPENDITURE OF FUNDS FROM UP-GRADATION/RENOVATION OF EXISTING COLLEGES TO MODEL DEGREE COLLEGES SCHEME

A. Income

SI No.	Amount	Remark
1	Rs. 50,00,000.00	Vide SPD (RUSA) Letter No. G.21017/1/2015-SPD(RUSA); Dated Aizawl the 6 th January, 2016 - Cheque No. 069488 of 06, 01, 2016 Fund to be utilized as - Construction of Lab. Building – Rs. 40,00,000.00 Purchase of immediate needs - Rs. 10,00,000.00
2	Rs. 2,25,00,000.00	Vide SPD(RUSA) Letter No. G.20015/1/2015-SPD(RUSA); Dated Aizawl, the 9 th November, 2016 (2 nd Installment) Fund to be utilized as – 35% for new construction 35% for upgradation/renovation 30% for purchase of equipment
3	Rs. 25,00,000.00	Vide SPD (RUSA) Letter No. G.21015/1/2016-SPD(RUSA) –Pt 1; Dated Aizawl, the 3 rd February, 2017
4	Rs. 10,00,000.00	Vide SPD (RUSA) Letter No. G.21015/1/2016-SPD(RUSA) –Pt 1; Dated Aizawl, the 4 th , July, 2018
5	Rs. 90,00,000.00	Vide SPD (RUSA) Letter No. G.21015/2/2015-SPD(RUSA) Dated Aizawl, the 4 th , July, 2018
Total	Rs. 4,00,00,000.00	

B. Expenditure

Head of Account : Purchase

Sl. No	Sanction No. & Date B.13011/4/16-GZRSC (RUSA)	Amount	Expenditure Head
1	282-284/17 of Dt.31.7.2017	11980	Whiteboard (2 nos.)(D. Buanga & Sons)
2	285-287/17 of Dt.31.7.2017	10800	Personal Locker (SD Enterprises Khatla)
3	289-291/18 of Dt. 31.7.2017	1440	Gas stove (Smart Marketing)
4	292-293/17 of Dt.9.8.2017	20416	Dissecting Specimens for Botany(Biocraft Sc. Systems, Agra)
5	294-296/17 of Dt.9.8.2017	30600	Printer & Scanner etc. (RM Infotech Aizawl)
6	562-564/17 of Dt.10.10.2017	3000	Hair Dryer (3 nos.)(Lalsangkimi Hmar)
7	565-567/17 of Dt.10.10.2017	24012	Computers for Office to RM Infotech
8	568-570/17 of Dt.10.10.2017	214902	Lab Equipments & Chemicals (Green Labs)
9	678-679/17 of Dt.21.11.2017	60180	Installation of Hindi Language Software
10	852-853/18 of Dt.23.2.2018	42812	Tables and chairs (MD Enterprise, Aizawl)
11	870-871/18 of Dt.27.2.2018	70000	Sport Goods (Chawngthu Sports, Aizawl)
12	872-873/18 of Dt.27.2.2018	16600	Personal locker unit 6 doors (MD Enterprise)
13	916-917/18 of Dt. 27.3.2018	5428	Teacher's microphone & Antivirus
14	15-16/18 of Dt. 14.5.2018	232800	Sharp copier with RADF for Library

15	17-18/18 of Dt. 23.5.2018	335345	Sound System for College Multipurpose Hall
16	29-30 /18 of Dt.25.7.2018	417000	Desk & Bench set and Teacher Table (T.Z. Steel Fabrication)
17	33-34 /18 of Dt.1.8.2018	166600	21 nos. Computer Tables (Fanai Furniture Work, Ramhlun Venglai)
18	53-54 /18 of Dt.23.8.2018	146800	Equipments for Adventure Club, GZRSC to C. Lalremruatfela, Asst. Professor, GZRSC
19	55-56 /18 of Dt.28.8.2018	608000	Spectrophotometer and Accessories (M.N. Enterprise, Zemabawk)
20	57-58/18 of Dt.30.8.2018	1298198	PC Workstation, All In one PC and Asemble PC (Sunflower Electronics, Chanmari)
21	59-60/18 of Dt.30.8.2018	45378	Projector Mount, HDMI & Power Cable, Software (RM Infotech Aizawl)
22	61-62/18 of Dt.30.8.2018	668500	Scientific Equipment (Beekay Scientific Corp. Assam)
23	63-64/18 of Dt.30.8.2018	45700	T-9 & VSDU Office Table & Steel Rack (MD Enterprise, Sikulpuikawn)
24	65-66/18 of Dt.30.8.2018	182700	Kadai, Oven, Refrigerator, etc (Smart Marketing)
25	67-68/18 of Dt.30.8.2018	53900	AMSCOPE & Microscope Eyepiece Adaptor (Green Labs)
26	69-70/18 of Dt.30.8.2018	467968	Scientific Equipments for Biochem & Physics (Mizoram Business Center)
27	71-72/18 of Dt.30.8.2018	497659	Scientific Equipments for Geology Department (Aimil Ltd. Naimex House, A-8, Mathura Road, New Delhi)
28	73-74/18 of Dt.31.8.2018	1586407	Scientific Equipments for Physics, Electronics & Chemistry Departments (Labtech Instrument, D-30, Ramhlun North)
	TOTAL	72,65,125	

Head of Account : *New Construction*

Sl. No	Sanction No. & Date B.13011/4/16-GZRSC (RUSA)	Amount	Expenditure Head
1	75-76/18 of 9.11.2018	944956	To C. Lalsiama, Chairman, Mizoram Technocrats Ltd. Payment of 5% security deposit.
	TOTAL	9,44,956	

Head of Account : *Renovation/ Upgradation*

Sl. No	Sanction No. & Date B.13011/4/16-GZRSC (RUSA)	Amount	Expenditure Head
1	751-752 of Dt. 8.1.2018	2064400	To Mizoram Technocrats for vertical extension of Girls Hostel
2	753-754 of Dt. 8.1.2018	2329200	To Mizoram Technocrats for vertical extension of Girls Hostel

	TOTAL	43,93,600	
<i>Financial Year 2018-2019</i>			
1	49-50/18 of Dt. 20.8.2018	2633650	Final running account bill for vertical extension of Girls' Hostel, Durtlang to Chairman, Mizoram Technocrats Company (P) Ltd., Aizawl
2	51-52/18 of Dt.20.8.2018	2343500	Final running account bill for vertical extension of Boys' Hostel, Durtlang to Chairman, Mizoram Technocrats Company (P) Ltd., Aizawl
	TOTAL	49,77,150	
<i>Financial Year 2019-2020</i>			
1	1-2/19 of Dt. 15.5.2019	558510	Payment of security deposit deducted from the running Account Bill for Upgradation of Boys Hostel at Durtlang Campus to Chairman, Mizoram Technocrats Company (P) Ltd., Aizawl
2	3-4/19 of Dt. 15.5.2019	560710	Payment of security deposit deducted from the running Account Bill for Upgradation of Girls Hostel at Durtlang Campus to Chairman, Mizoram Technocrats Company (P) Ltd., Aizawl
	TOTAL	11,19,220	

CUMMALATIVEEXPENDITURE UNDER UPGRADATION TO MODEL DEGREE COLLEGE

Expenditure Head : *Purchase*

Financial Year 2016-2017	4260687
Financial Year 2017-2018	2108657
Financial Year 2018-2019	6752955
TOTAL	1,31,22,299

Expenditure Head : *New Construction*

Financial Year 2015-2016	2500000
Financial Year 2016-2017	10303800
Financial Year 2017-2018	251243
Financial Year 2018-2019	944956
TOTAL	1,39,99,999

Expenditure Head : *Renovation/ Upgradation*

Financial Year 2016-2017	220575
Financial Year 2017-2018	5880419
Financial Year 2018-2019	7306350
Financial Year 2019-2020	1119220
TOTAL	1,45,26,564

Grand Total : **Rs. 4,16,48,862.00**

Balance (as on 08/08/2019) : **Rs. -16,48,862.00**